

# Anti-Tyrosine Hydroxylase Recombinant Chicken Chimeric mAb



## Product Details

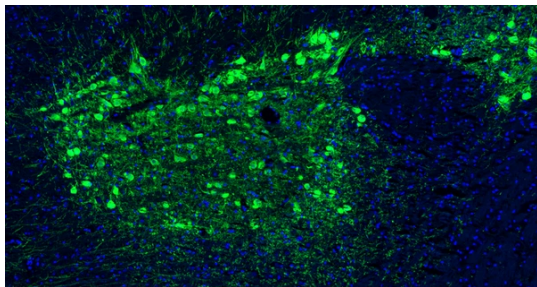
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 µL (SKU:78-700)<br>20 µL (SKU:78-700-020)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>            | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clone</b>              | LNC1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>          | TH TYH EC 1.14.16.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Host Species</b>       | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>      | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Format</b>             | Purified by affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Physical State</b>     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Buffer</b>             | 1X PBS, 0.05% Sodium Azide pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Production Notes</b>   | This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone LNC1 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone LNC1 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media. |
| <b>Applications</b>       | ELISA, ICC, IHC, IP, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species Reactivity</b> | Chicken, Frog, Human, Lizard, Mouse, Non-Human Primate, Rat, Vole, Zebrafish                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>          | Tyrosine Hydroxylase purified from PC12 cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>        | Recognizes an epitope outside of the regulatory N-terminus. Recognizes a protein of approximately 59-61 kDa by Western blot. Does not react with the                                                                                                                                                                                                                                                                                                                                                                 |

following on Western Blots: purified dopamine-beta-hydroxylase, phenylalanine hydroxylase, tryptophan hydroxylase, dehydropteridine reductase, sepiapterin reductase or phenethanolamine-N-methyl transferase (PNMT). Identifies a single ~60 kDa band on Western Blots of HeLa cells transfected to express human tyrosine hydroxylase.

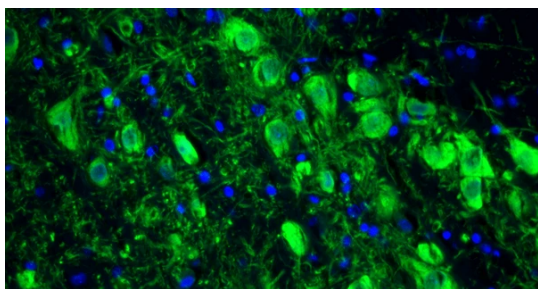
|                          |                                                                                                                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 59-63 kDa                                                                                                                                                                                                       |
| <b>Quality Control</b>   | Each new lot of this antibody is tested to confirm that it recognizes a single immunoreactive band of expected molecular weight when used to probe rat brain lysate.                                            |
| <b>Storage</b>           | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| <b>UniProt ID</b>        | <a href="#"><u>P07101</u></a>                                                                                                                                                                                   |
| <b>Country of Origin</b> | United States                                                                                                                                                                                                   |
| <b>Shipping</b>          | Shipped on ice packs                                                                                                                                                                                            |
| <b>Expiration</b>        | 24 months from date of receipt                                                                                                                                                                                  |
| <b>Usage Statement</b>   | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                            |

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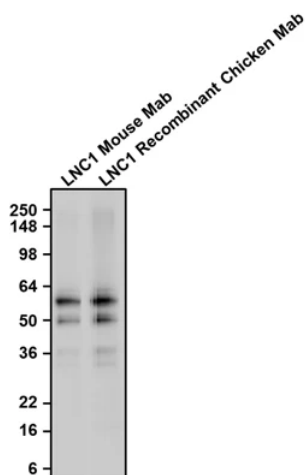
## Product Images



Representative section of formalin fixed, paraffin-embedded rat brain mid-brain region showing cells stained by anti-tyrosine hydroxylase (TH, clone LNC1) recombinant chicken monoclonal antibody (visualized in green, Cat No. 78-700). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-TH specifically stains the dopamine neurons in the mid-brain. Magnification 100X.



Representative section of formalin fixed, paraffin-embedded rat brain mid-brain region showing cells stained by anti-tyrosine hydroxylase (TH, clone LNC1) recombinant chicken monoclonal antibody (visualized in green, Cat No. 78-700). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-TH specifically stains the dopamine neurons in the mid-brain. Magnification 400X.



Western blotting of rat brain homogenate with Antibodies Incorporated anti-Tyrosine Hydroxylase mouse mAb (Cat. 77-700) and Aves Labs anti-Tyrosine Hydroxylase recombinant chicken mAb (Cat. 78-700) antibodies. The mouse mAb and chicken Mab were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. Aves Labs Recombinant Chicken anti-TH mAb recognizes endogenous Tyrosine Hydroxylase with similar sensitivity as the anti-TH mouse mAb in the rat brain homogenate at ~59-63 kDa.

Product Page URL: [www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-recombinant-antibody-lnc1-78-700](http://www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-recombinant-antibody-lnc1-78-700)



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