

# Anti-Tyrosine Hydroxylase (TH) Antibody

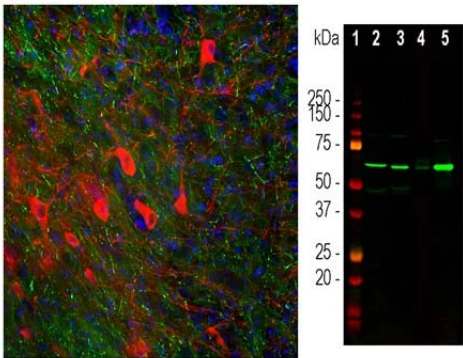


## Product Details

|                    |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µg (SKU:R-2120-100)                                                                                                                                                                                                                                                                                                                         |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                                                                                                    |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                             |
| Host Species       | Rabbit                                                                                                                                                                                                                                                                                                                                          |
| Format             | Affinity-purified                                                                                                                                                                                                                                                                                                                               |
| Physical State     | Lyophilized                                                                                                                                                                                                                                                                                                                                     |
| Buffer             | Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide                                                                                                                                                                                                                                                                    |
| Applications       | ICC, IHC, WB                                                                                                                                                                                                                                                                                                                                    |
| Dilution Ranges    | WB: 1:5000-1:10000<br>IHC: 1:100-1:500<br>ICC: 1:100-1:500                                                                                                                                                                                                                                                                                      |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                               |
| Immunogen          | The antibody has been made against the full length recombinant human TH (524 amino acid sequence) expressed in and purified from E. Coli                                                                                                                                                                                                        |
| Specificity        | Human. Species cross-reactivity includes rat and mouse.                                                                                                                                                                                                                                                                                         |
| Storage            | Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles. Store at 4°C for up to one month for short term storage and frequent use. |
| UniProt ID         | <u><a href="#">P07101</a></u>                                                                                                                                                                                                                                                                                                                   |
| Country of Origin  | United States                                                                                                                                                                                                                                                                                                                                   |
| Shipping           | 25°C (ambient)                                                                                                                                                                                                                                                                                                                                  |

|                 |                                                  |
|-----------------|--------------------------------------------------|
| Expiration      | 12 months after date of receipt (unopened vial). |
| Usage Statement | For research use only.                           |

Product Images



**Left:** Visualization of tyrosine hydroxylase expression in rat brain by **Immunofluorescent analysis**. Section was stained with rabbit anti-TH antibody, R-2120-100, (red, 1:10,000); costained with mouse antibody to pNF-H (green, 1:1,000); and Hoechst staining of nuclear DNA (blue). Following transcordial perfusion of rat with 4% paraformaldehyde, the brain was post fixed for 24 hours and cut into 45µM free floating sections for staining. Product R-2120-100 stains the striatal TH expressing interneurons. **Right:** Western blot analysis of tissues and lysates using R-2120-100 (green, 1:5,000) with a band at approx. 60kDa in brain and PC12 extracts. Lane 1: protein standard (red); Lane 2: rat brain; Lane 3: mouse brain; Lane 4: SH-SY5Y cells; Lane 5: PC12 cells.

Product Page URL: [www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-th-antibody-r-2120-100](http://www.antibodiesinc.com/products/anti-tyrosine-hydroxylase-th-antibody-r-2120-100)

