

Anti-Tyrosine Hydroxylase (TH) Antibody

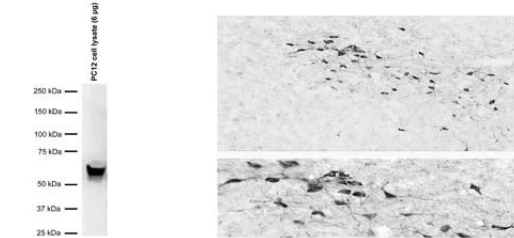


Product Details

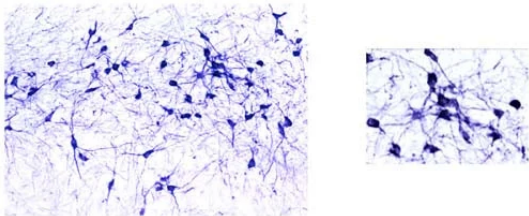
Available Variants	100 µL (SKU:R-118-100)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Rabbit
Format	Whole serum
Physical State	Lyophilized
Applications	IHC, WB
Dilution Ranges	WB: 1:100-1:500 IHC: 1:2000-1:5000
Species Reactivity	Guinea Pig, Mouse, Pig, Rat
Immunogen	A synthetic peptide (PRFIGRRQSLIEDARK) as part of human Tyrosine Hydroxylase (63-78) conjugated to KLH has been used as the immunogen. The peptide is homologous with the corresponding sequence derived from TH protein in rat (31-47).
Specificity	IHC on brain shows a pattern of staining specific for TH containing neurons. This antibody is known to react with rat, mouse and guinea pig. Cross reactivity with other species has not yet been tested.
Molecular Weight	60 kDa
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution keep aliquots at -20°C for a higher stability, and at 2-8°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
UniProt ID	<u>P04177</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: Western Blot analysis of tyrosine hydroxylase (TH) expression in PC12 cell lysate (6 ug protein/lane). The anti-TH rabbit antibody (1:300) detects one specific band at ~60 kDa corresponding to the expected molecular weight of TH. **Method:** SDS Page: denaturing and reducing, 4-12% Bis-Tris gel; Transfer: Tris-Glycine (Towbin's buffer) with 20% methanol; Membrane: PVDF (0.45 um); Blocking: 5% skim milk in TBST, 1 hr at RT; Primary antibody: R-118-100 (1:300), overnight at 2-8°C; Secondary antibody: donkey anti-rabbit (1:25,000), 1 hr at RT; Detection: Chemiluminescence. **Right:** Detection of TH-immunoreactivity in dopaminergic neurons in the rat zona incerta in formalin-fixed floated cryostat section by **Immunohistochemistry**. TH was visualized with the rabbit polyclonal antiserum (R-118-100; 1:100,000) using the biotinylated secondary antibody-ABC method and nickel-diaminobenzidine chromogen. Photo courtesy of Dr. Erik Hrabovszky, Hungarian Academy of Sciences, Budapest, Hungary.



Staining of catecholaminergic neurons in the rat brain stem with rabbit anti-TH antibody by **Immunohistochemistry**.



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