

Anti-Tyrosine Hydroxylase Rabbit pAb



WL01820

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

| | | |
|----------------------------|---|---------------|
| Product name | Anti-Tyrosine Hydroxylase Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | Western blot | 1:1000-1:2000 |
| | <i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i> | |
| Pack size | 50/100/200/500/1000μl | |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. | |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

General Information

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|---------------------|--|
| Background | Tyrosine hydroxylase (TH), also designated tyrosine 3-monooxygenase (TY3H), catalyzes the rate-limiting step in the synthesis of the neurotransmitter dopamine and other catecholamines, hence plays a key role in the physiology of adrenergic neurons. TH functions as a tetramer, with each subunit composed of a regulatory and catalytic domain, and exists in several different isoforms. TH is thought to play a role in the pathogenesis of Parkinson's disease, which is associated with reduced dopamine levels. The amino-terminal regulatory domain contains three serine residues: Ser9, Ser31 and Ser40. Levels of transcription, translation and posttranslational modification regulate TH activity. |
| Immunogen | Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Tyrosine Hydroxylase. |
| Purification | Polyclonal antibody was purified by Protein A affinity chromatography. |

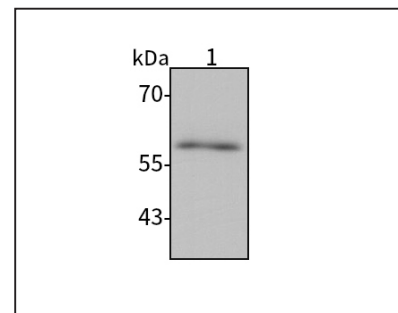
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Product Images



Western blot-Anti-Tyrosine Hydroxylase pAb

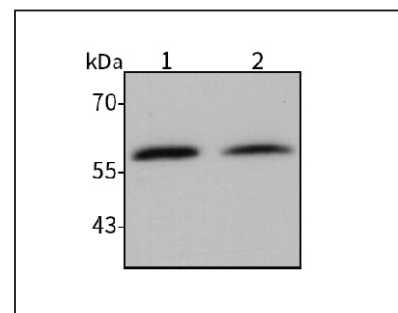
Lane 1: Human SH-SY5Y cell lysate

All lanes: Anti-Tyrosine Hydroxylase at 1:1000 dilution

Lysates/proteins at 20-50 μg per lane.

Predicted band size: 59 kDa

Observed band size: 59 kDa



Western blot-Anti-Tyrosine Hydroxylase pAb

Lane 1: Mouse brain tissue lysate

Lane 2: Rat brain tissue lysate

All lanes: Anti-Tyrosine Hydroxylase at 1:1000 dilution

Lysates/proteins at 20-50 μg per lane.

Predicted band size: 59 kDa

Observed band size: 59 kDa