Product **Datasheet**

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 1:1000-1:1500
	**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.*
Molecular Wt.	59 kDa
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

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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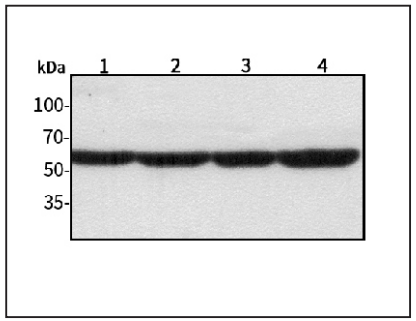
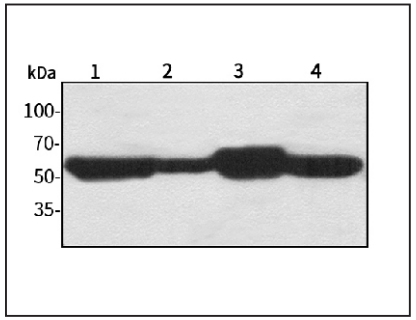
Product Images



Western blot-Anti-Tyrosine Hydroxylase pAb

Lane 1: Human HepG2 cell lysate 20μg
Lane 2: Human Hela cell lysate 20μg
Lane 3: Human BGC-823 cell lysate 20μg
Lane 4: Human MGC-803 cell lysate 20μg
Separation gel: 8% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1500 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Western blot-Anti-Tyrosine Hydroxylase pAb

Lane 1: Mouse kidney tissue lysate 20μg
Lane 2: Mouse brain tissue lysate 20μg
Lane 3: Rat heart tissue lysate 20μg
Lane 4: Rat liver tissue lysate 20μg
Separation gel: 8% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1500 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min

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