

Product datasheet for **TA323691**

Tyrosine Hydroxylase (TH) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1000
Reactivity:	Human, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine31(V-T-S(p)-P-R) derived from human Tyrosine Hydroxylase
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59 kDa
Gene Name:	tyrosine hydroxylase
Database Link:	NP_000351 Entrez Gene 25085 Rat Entrez Gene 7054 Human P07101
Background:	The protein encoded by this gene is involved in the conversion of tyrosine to dopamine. It is the rate-limiting enzyme in the synthesis of catecholamines, hence plays a key role in the physiology of adrenergic neurons. Mutations in this gene have been associated with autosomal recessive Segawa syndrome. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.
Synonyms:	DYT5b; DYT14; TYH

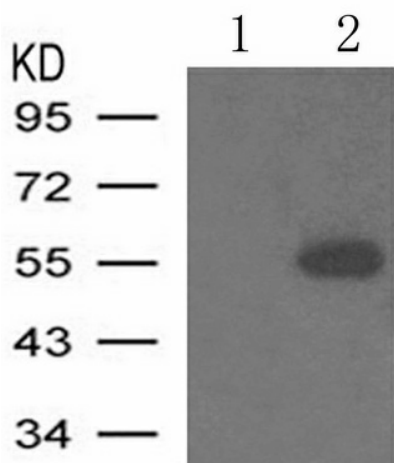


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Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Parkinson's disease, Tyrosine metabolism

Product images:



Predicted band size: 59 kDa. Positive control: 293 cells treated with Doxorubicin lysate.

Recommended dilution: 1/ 500-1000. (Gel: 10%SDS-PAGE Lane 1: 293 cells untreated with Doxorubicin lysate Lane 2: 293 cells treated with Doxorubicin lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)