

## Product datasheet for **TA327402S**

### Dopamine beta Hydroxylase (DBH) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB, 1:500 - 1:1000 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69kDa
Gene Name:	dopamine beta-hydroxylase
Database Link:	<a href="#">NP_000778</a> <a href="#">Entrez Gene 13166 Mouse</a> <a href="#">Entrez Gene 25699 Rat</a> <a href="#">Entrez Gene 1621 Human</a> <a href="#">P09172</a>

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**Background:**

The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. The encoded protein, expressed in neurosecretory vesicles and chromaffin granules of the adrenal medulla, catalyzes the conversion of dopamine to norepinephrine, which functions as both a hormone and as the main neurotransmitter of the sympathetic nervous system. The enzyme encoded by this gene exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. Mutations in this gene cause dopamine beta-hydroxylase deficiency in human patients, characterized by deficits in autonomic and cardiovascular function, including hypotension and ptosis. Polymorphisms in this gene may play a role in a variety of psychiatric disorders.

**Synonyms:**

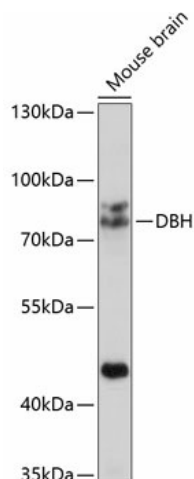
DBM

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Metabolic pathways, Tyrosine metabolism

**Product images:**


Western blot analysis of lysates from mouse brain