

**DBH (aa437-448) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3702a

**Specification**

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**DBH (aa437-448) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P09172</a>
Other Accession	<a href="#">NP_000778.3</a> , <a href="#">1621</a> , <a href="#">13166 (mouse)</a> , <a href="#">25699 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	69065

**DBH (aa437-448) Antibody (internal region) - Additional Information**

**Gene ID** 1621

**Other Names**

Dopamine beta-hydroxylase, 1.14.17.1, Dopamine beta-monoxygenase, Soluble dopamine beta-hydroxylase, DBH

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DBH (aa437-448) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**DBH (aa437-448) Antibody (internal region) - Protein Information**

**Name** DBH

**Function**

Catalyzes the hydroxylation of dopamine to noradrenaline (also known as norepinephrine), and is thus vital for regulation of these neurotransmitters.

**Cellular Location**

[Soluble dopamine beta-hydroxylase]: Cytoplasmic vesicle, secretory vesicle lumen Cytoplasmic

vesicle, secretory vesicle, chromaffin granule lumen. Secreted

### **DBH (aa437-448) Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **DBH (aa437-448) Antibody (internal region) - Images**



AF3702a (2 µg/ml) staining of Jurkat lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### **DBH (aa437-448) Antibody (internal region) - References**

Norepinephrine deficiency is caused by combined abnormal mRNA processing and defective protein trafficking of dopamine beta-hydroxylase. Kim CH, Leung A, Huh YH, Yang E, Kim DJ, Leblanc P, Ryu H, Kim K, Kim DW, Garland EM, Raj SR, Biaggioni I, Robertson D, Kim KS. J Biol Chem. 2011 Mar 18;286(11):9196-204. Epub 2011 Jan 5. PMID: 21209083