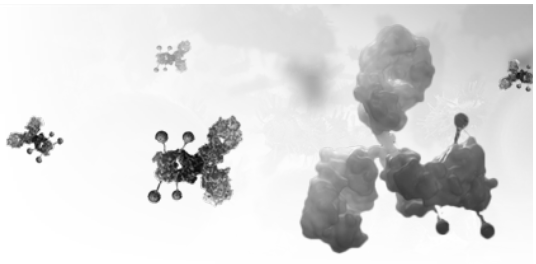

Rabbit Anti-Human DbH Polyclonal Antibody (CABT-L2133)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Dopamine Beta Hydroxylase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against DbH. It has been selected for its ability to recognize DbH in immunohistochemical staining and western blotting.
Target	DbH
Immunogen	Recombinant fragment corresponding to human DBH (His335~Val571)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. It is present in the synaptic vesicles of postganglionic sympathetic neurons and converts dopamine to norepinephrine. It exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. [provided by RefSeq, Jul 2008]
Keywords	DBM;Dopamine Beta-Monooxygenase

GENE INFORMATION

Gene Name	DBH dopamine beta-hydroxylase (dopamine beta-monooxygenase) [Homo sapiens (human)]
Official Symbol	DBH
Synonyms	DBH; dopamine beta-hydroxylase (dopamine beta-monooxygenase); DBM; dopamine beta-hydroxylase;
Entrez Gene ID	1621
Protein Refseq	NP_000778
UniProt ID	P09172
Chromosome Location	9q34
Pathway	Amine-derived hormones; Biogenic Amine Synthesis; Catecholamine biosynthesis; Catecholamine biosynthesis, tyrosine => dopamine => noradrenaline => adrenaline; Metabolic pathways; Metabolism; Metabolism of amino acids and derivatives; Monoamine Transport;
Function	L-ascorbic acid binding; catalytic activity; copper ion binding; dopamine beta-monooxygenase activity;

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