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DBH Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21423c

Product Information

Application	WB, E
Primary Accession	P09172
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB48156
Calculated MW	69065

Additional Information

Gene ID	1621
Other Names	Dopamine beta-hydroxylase, Dopamine beta-monooxygenase, Soluble dopamine beta-hydroxylase, DBH
Target/Specificity	This DBH antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 270-303 amino acids from the Central region of human DBH.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DBH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

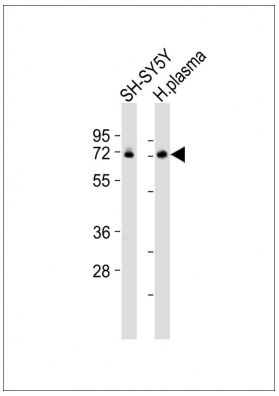
Background

Conversion of dopamine to noradrenaline.

References

Humphray S.J.,et al.Nature 429:369-374(2004).
Lamouroux A.,et al.EMBO J. 6:3931-3937(1987).
Kobayashi K.,et al.Nucleic Acids Res. 17:1089-1102(1989).
Li B.,et al.Biochem. J. 313:57-64(1996).
Liu T.,et al.J. Proteome Res. 4:2070-2080(2005).

Images



All lanes : Anti-DBH Antibody (Center) at 1:2000 dilution Lane 1: SH-SY5Y whole cell lysates Lane 2: human plasma lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 69 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.