

For Research Use Only

DBH Polyclonal antibody

Catalog Number: 10777-1-AP **2 Publications**



Basic Information

Catalog Number: 10777-1-AP	GenBank Accession Number: BC017174	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1621	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P09172	
Isotype: IgG	Full Name: DBH	
Immunogen Catalog Number: AG1196	Calculated MW: 64.8 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : SH-SY5Y cells, NIH/3T3 cells, mouse brain tissue IHC : mouse brain tissue, human liver cancer tissue IF/ICC : SH-SY5Y cells, HeLa cells
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

DBH belongs to the copper type II ascorbate-dependent monooxygenase family and catalyzes the oxidative hydroxylation of DBH to norepinephrine. It is almost exclusively located in the adrenal medulla and the synaptic vesicles of postganglionic sympathetic neurons (PMID:11857564). The DBH is glycosylated (63--67 kDa) while still in the membrane (PMID:2325165) and it can form a dimer (PMID:8546710).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuan-Jun Qin	34571056	Peptides	WB
Shin Takasawa	35682548	Int J Mol Sci	WB

Storage

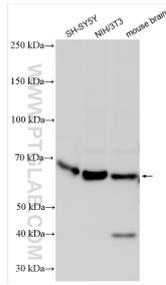
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

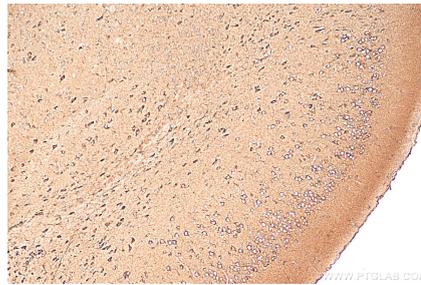
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

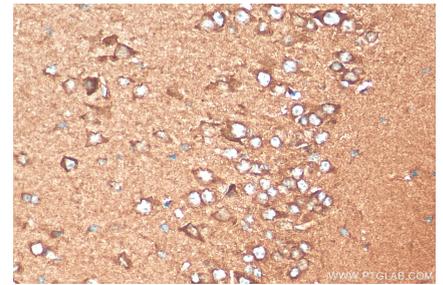
Selected Validation Data



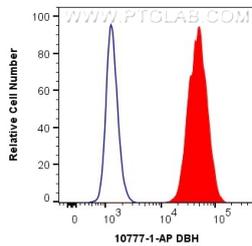
Various lysates were subjected to SDS PAGE followed by western blot with 10777-1-AP (DBH antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



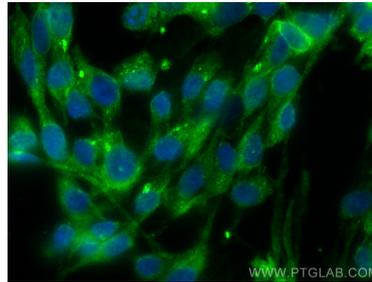
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10777-1-AP (DBH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10777-1-AP (DBH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human DBH (10777-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using DBH antibody (10777-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).