

For Research Use Only

DOHH Polyclonal antibody

Catalog Number: 18226-1-AP



Basic Information

Catalog Number: 18226-1-AP	GenBank Accession Number: BC002817	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 83475	Recommended Dilutions: WB 1:5000-1:50000
Source: Rabbit	UNIPROT ID: Q9BU89	
Isotype: IgG	Full Name: deoxyhypusine hydroxylase/monooxygenase	
Immunogen Catalog Number: AG13072	Calculated MW: 33 kDa	
	Observed MW: 30-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : DU 145 cells, LNCaP cells, U-87 MG cells
Species Specificity: human	

Background Information

eoxyhypusine hydroxylase (DOHH) is the enzyme catalyzing the second step in the post-translational synthesis of hypusine [Nε-(4-amino-2-hydroxybutyl)lysine] in the eukaryotic initiation factor 5A (eIF5A). DOHH has been reported to mediate several crucial cellular functions, including cellular proliferation, differentiation and apoptosis. Moreover, previous studies have established that DOHH is highly involved in several essential biological processes driving human diseases including cancer growth, malarial drug resistance, and HIV-1 replication. In particular, the DOHH/eIF5A signaling pathway was revealed to mediate the ability of nerve growth factor to enhance neuronal growth and survival, highlighting the importance of DOHH in neuroprotection (PMID: 35007708, PMID: 16371467, PMID: 22908221, PMID: 19706422).

Storage

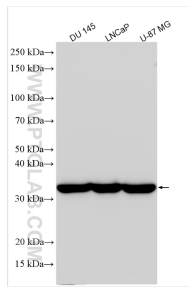
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18226-1-AP (DOHH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.