

For Research Use Only

DOHH Monoclonal antibody

Catalog Number: 68151-1-Ig



Basic Information

Catalog Number: 68151-1-Ig	GenBank Accession Number: BC002817	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 83475	CloneNo.: 1H5H7
Source: Mouse	Full Name: deoxyhypusine hydroxylase/monooxygenase	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG13041	Observed MW: 33 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Rat, Mouse

Positive Controls:

WB : LNCaP cells, HSC-T6 cells, HeLa cells, HEK-293 cells, Jurkat cells, NIH/3T3 cells

Background Information

Deoxyhypusine 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**

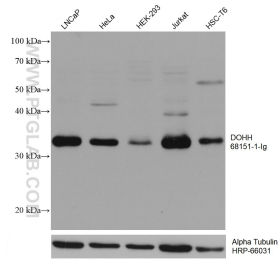
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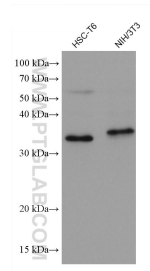
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68151-1-Ig (DOHH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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