

For Research Use Only

L3HYPDH Polyclonal antibody

Catalog Number: 33146-1-AP



Basic Information

Catalog Number: 33146-1-AP	GenBank Accession Number: BC012131	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 112849	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q96EMO	
Isotype: IgG	Full Name: chromosome 14 open reading frame 149	
Immunogen Catalog Number: AG37121	Calculated MW: 38 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, PC-3 cells, mouse kidney tissue, mouse liver tissue, rat kidney tissue
Species Specificity: human, mouse, rat	

Background Information

Trans-3-hydroxy-L-proline dehydratase (L3HYPDH) is an enzyme that catalyzes the conversion of trans-3-hydroxy-L-proline to delta(1)-pyrroline-2-carboxylate. This enzyme is involved in the degradation of dietary proteins containing trans-3-hydroxy-L-proline, such as collagen IV. Additionally, L3HYPDH has been identified as an interferon-stimulated gene (ISG) with antiviral activity, particularly against viruses like EV71 (PMID: 35891782). It also plays a role in the genetic regulation of working memory and has been implicated in the mitochondrial pathway associated with autism spectrum disorder (PMID: 32490597).

Storage

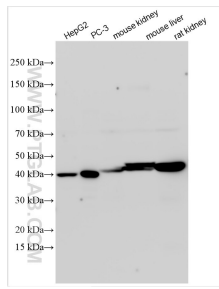
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33146-1-AP (L3HYPDH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.