For Research Use Only

L3HYPDH Polyclonal antibody, PBS Only

Catalog Number:33146-1-PBS

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Basic Information

Catalog Number:
33146-1-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG37121

GenBank Accession Number:
BC012131

GeneID (NCBI):
112849

UNIPROT ID:
Q96EM0

Full Name:
chromosome 14 open reading frame 149

Calculated MW:
38 kDa

Observed MW:
40 kDa

Purification Method:
Antigen affinity Purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

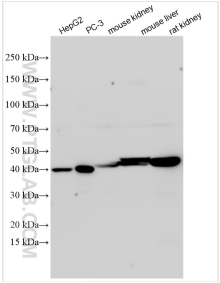
Trans-3-hydroxy-L-proline dehydratase (L3HYPDH) is an enzyme that catalyzes the conversion of trans-3-hydroxy-L-proline to delta(1)-pyrroline-2-carboxylate. This enzyme is involved in the degradation of dietary proteins containing trans-3-hydroxy-L-proline, such as collagen IV. Additionally, L3HYPDH 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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 33146-1-AP (L3HYPDH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33146-1-PBS in a different storage buffer formulation.