

For Research Use Only

CLPTM1 Polyclonal antibody

Catalog Number: 15337-1-AP



Basic Information

Catalog Number:

15337-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7538

GenBank Accession Number:

BC004865

GeneID (NCBI):

1209

UNIPROT ID:

O96005

Full Name:

cleft lip and palate associated transmembrane protein 1

Calculated MW:

62 kDa

Observed MW:

65-75 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IP : A549 cells,

IHC : mouse brain tissue,

Background Information

Cleft lip and palate transmembrane protein 1 (CLPTM1), a multipass transmembrane protein, was identified due to the association of a chromosomal translocation with a cleft lip and palate (PMID: 9828125). CLPTM1 regulates epileptic seizures by modulating GABAAR-mediated inhibitory synaptic transmission (PMID: 36519412). Highly expressed CLPTM1L may contribute to a poor prognosis and increase invasion, proliferation and migration of oral squamous cell carcinoma (PMID: 34586883).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

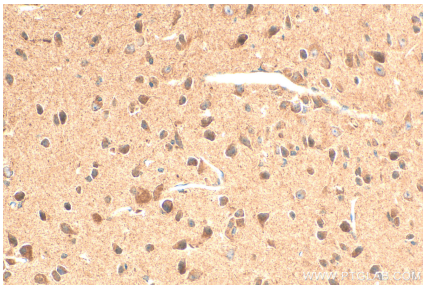
T: 4006900926

E: Proteintech-CN@ptglab.com

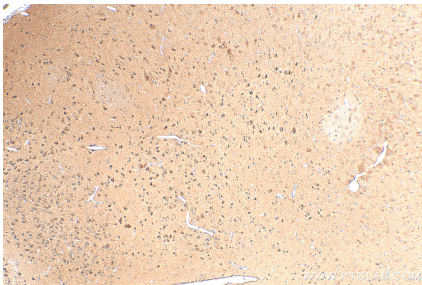
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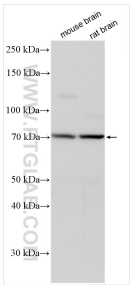
Selected Validation Data



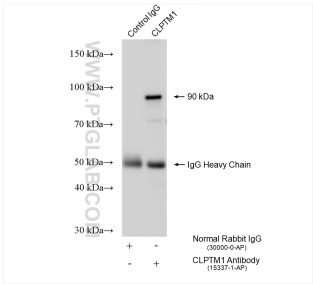
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15337-1-AP (CLPTM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15337-1-AP (CLPTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 15337-1-AP (CLPTM1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-CLPTM1 (IP:15337-1-AP, 4ug; Detection:15337-1-AP 1:300) with A549 cells lysate 1050 ug.