

For Research Use Only

CLPTM1 Polyclonal antibody

Catalog Number: 15337-1-AP



Basic Information

Catalog Number: 15337-1-AP	GenBank Accession Number: BC004865	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 1209	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
Source: Rabbit	UNIPROT ID: O96005	
Isotype: IgG	Full Name: cleft lip and palate associated transmembrane protein 1	
Immunogen Catalog Number: AG7538	Calculated MW: 62 kDa	
	Observed MW: 65-75 kDa	

Applications

Tested Applications: WB, IHC, IP, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB: mouse brain tissue, rat brain tissue
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	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

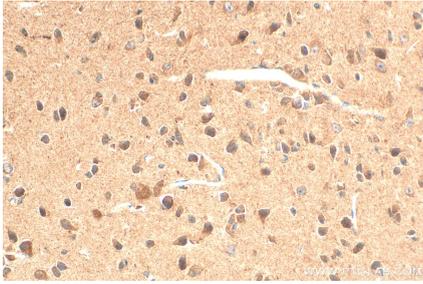
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

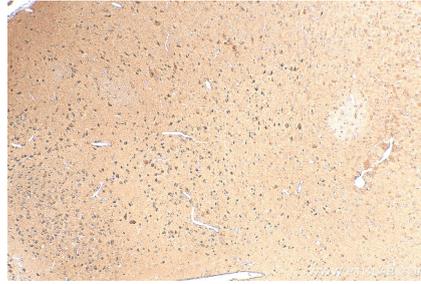
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

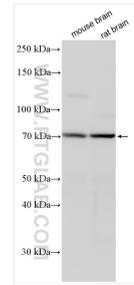
Selected Validation Data



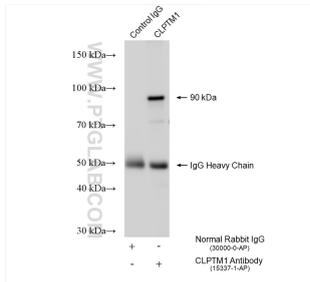
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15337-1-AP (CLPTM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.