

For Research Use Only

TRPC4AP Monoclonal antibody

Catalog Number: 66138-1-Ig **1 Publications**



Basic Information

Catalog Number: 66138-1-Ig	GenBank Accession Number: BC013144	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 ug/ml by Nanodrop and 960 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26133	CloneNo.: 2C10B1
Source: Mouse	UNIPROT ID: Q8TEL6	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:20-1:200
Isotype: IgG3	Full Name: transient receptor potential cation channel, subfamily C, member 4 associated protein	
Immunogen Catalog Number: AG18772	Calculated MW: 797 aa, 91 kDa	
	Observed MW: 82 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : human brain tissue, human heart tissue
Species Specificity: human	IHC : human breast cancer tissue, human liver tissue
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TRPC4AP, also named as C20orf188 and TRRP4AP, is a substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control. TRPC4AP participates in the activation of NFkB1 in response to ligation of TNFRSF1A, possibly by linking TNFRSF1A to the IKK signalosome. The calculated molecular weight of TRPC4AP is 91 kDa. Western blot analysis detected a protein of about 82 kDa expressed in several mouse cell lines and in a human promonocytic cell line.

Notable Publications

Author	Pubmed ID	Journal	Application
Yingying Zhao	39966385	Nat Commun	WB

Storage

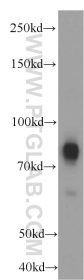
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

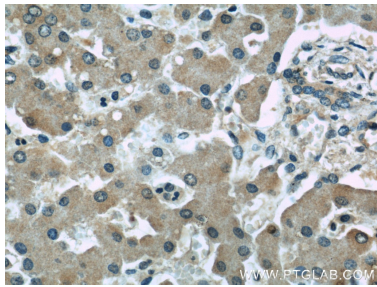
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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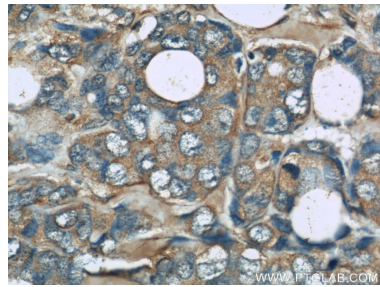
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 66138-1-Ig (TRPC4AP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 66138-1-Ig(TRPC4AP antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer slide using 66138-1-Ig (TRPC4AP Antibody) at dilution of 1:50.