

For Research Use Only

# TRPC4AP Monoclonal antibody

Catalog Number: 66138-1-Ig



## Basic Information

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

## Applications

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

## 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.

## Storage

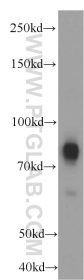
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

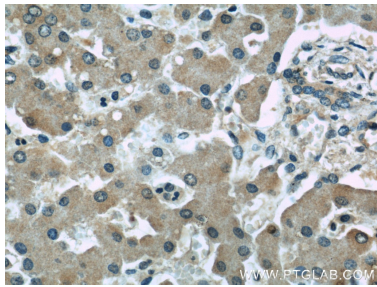
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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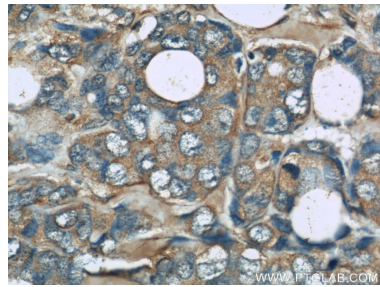
Selected Validation Data



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.