

TRPC4AP Polyclonal antibody

Catalog Number: 12606-1-AP

3 Publications

Basic Information

Catalog Number:

12606-1-AP

Size:

150ul, Concentration: 533 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3299

GenBank Accession Number:

BC013144

GeneID (NCBI):

26133

UNIPROT ID:

Q8TEL6

Full Name:

transient receptor potential cation channel, subfamily C, member 4 associated protein

Calculated MW:

797 aa, 91 kDa

Observed MW:

85-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : human heart tissue,

IP : mouse heart tissue,

IHC : human breast cancer 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 NFκB1 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
Mannava S S	21822300	Oncogene	WB
Seung H Choi	20551172	Genes Dev	WB
Azfar Jamal	26038816	Cell Cycle	WB

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

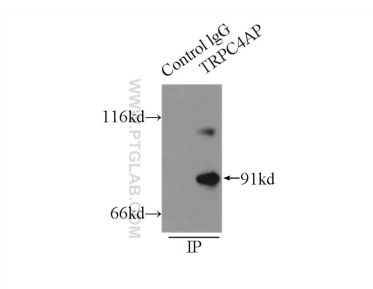
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

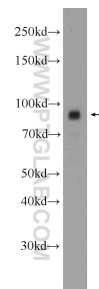
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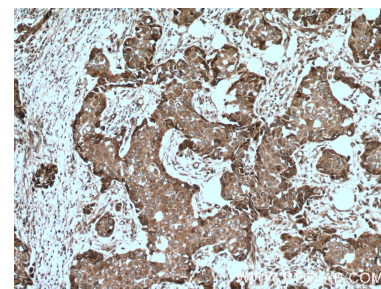
Selected Validation Data



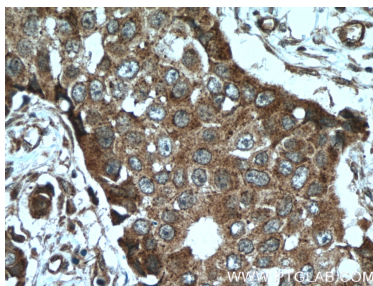
IP result of anti-TRPC4AP (IP:12606-1-AP, 5ug; Detection:12606-1-AP 1:200) with mouse heart tissue lysate 6000ug.



human heart tissue were subjected to SDS PAGE followed by western blot with 12606-1-AP (TRPC4AP Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12606-1-AP (TRPC4AP antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12606-1-AP (TRPC4AP antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).