

For Research Use Only

TRPC1 Polyclonal antibody

Catalog Number: 24727-1-AP

1 Publications



Basic Information

Catalog Number:

24727-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16488

GenBank Accession Number:

BC113953

GeneID (NCBI):

7220

UNIPROT ID:

P48995

Full Name:

transient receptor potential cation channel, subfamily C, member 1

Calculated MW:

793 aa, 91 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : rat brain tissue,

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

TRPC1, also named as TRP1, belongs to the transient receptor family and TRPC subfamily. TRPC1 is thought to form a receptor-activated non-selective calcium permeant cation channel. It has been reported that the mGluR1 evoked slow EPSC is mediated by the TRPC1 cation channel. It is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors.

Notable Publications

Author	Pubmed ID	Journal	Application
Mengting Qu	38277724	Biochem Biophys Res 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

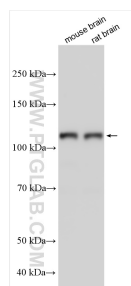
T: 4006900926

E: Proteintech-CN@ptglab.com

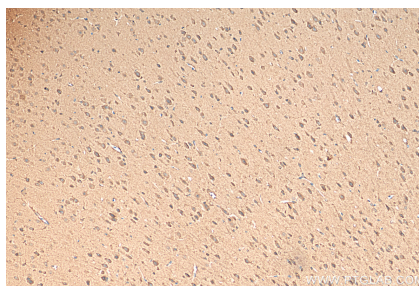
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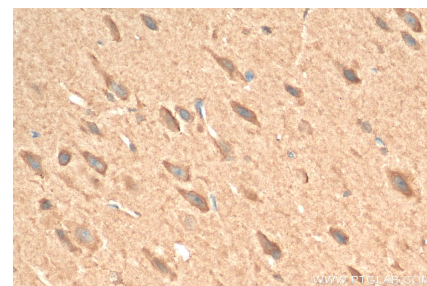
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24727-1-AP (TRPC1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 24727-1-AP (TRPC1 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 rat brain tissue slide using 24727-1-AP (TRPC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).