

For Research Use Only

# TRPC1 Polyclonal antibody

Catalog Number: 24727-1-AP

1 Publications



## Basic Information

Catalog Number:

24727-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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:

WB, IHC, 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

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

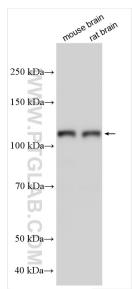
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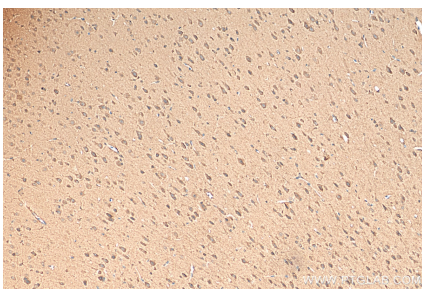
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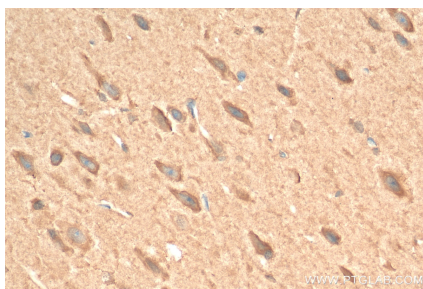
## Selected Validation Data



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).