

For Research Use Only

# TRPC1 Polyclonal antibody

Catalog Number: 24727-1-AP



## Basic Information

<b>Catalog Number:</b> 24727-1-AP	<b>GenBank Accession Number:</b> BC113953	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 7220	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P48995	
<b>Isotype:</b> IgG	<b>Full Name:</b> transient receptor potential cation channel, subfamily C, member 1	
<b>Immunogen Catalog Number:</b> AG16488	<b>Calculated MW:</b> 793 aa, 91 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

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

## Background Information

TRPC1, also named as TRP1, belongs to the transient receptor family and STpC 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.

## 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:

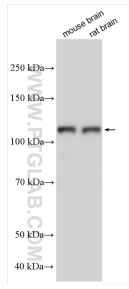
T: 4006900926

E: Proteintech-CN@ptglab.com

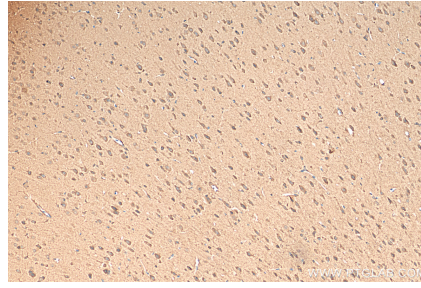
W: ptgcn.com

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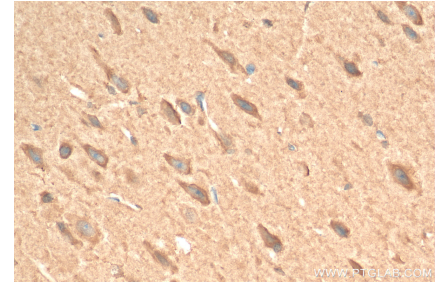
## Selected Validation Data



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).