

# TRPC1 Polyclonal antibody

Catalog Number: 19482-1-AP

Featured Product

10 Publications

## Basic Information

**Catalog Number:**

19482-1-AP

**Size:**

150ul, Concentration: 600 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_003304

**GeneID (NCBI):**

7220

**UNIPROT ID:**

P48995

**Full Name:**

transient receptor potential cation channel, subfamily C, member 1

**Calculated MW:**

91 kDa

**Observed MW:**

90 kDa, 130 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

**Tested Applications:**

ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**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: PC-3 cells, human brain tissue, human testis tissue, mouse liver tissue, SH-SY5Y cells

IHC: human brain tissue,

## 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
Wenyu Yang	36310238	Commun Biol	WB, IP
Shiji Huo	34836549	J Neuroinflammation	WB, IF
Schmid Evi E	23171960	Cell Physiol Biochem	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:

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