

For Research Use Only

# TRPC5 Polyclonal antibody

Catalog Number: 25890-1-AP

13 Publications



## Basic Information

### Catalog Number:

25890-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG23171

### GenBank Accession Number:

BC137271

### GeneID (NCBI):

7224

### UNIPROT ID:

Q9UL62

### Full Name:

transient receptor potential cation channel, subfamily C, member 5

### Calculated MW:

111 kDa

### Observed MW:

105 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : HL-60 cells, MCF-7 cells

IHC : human brain tissue, human cerebellum tissue

IF/ICC : SH-SY5Y cells,

**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

Short transient receptor potential channel 5 (TRPC5), which belongs to TRPC5 sub-subfamily of transient receptor (TC 1.A.4) family, thought to form a receptor-activated non-selective calcium permeant cation channel, and probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. TRPC5 has also been shown to be calcium-selective and may also be activated by intracellular calcium store depletion.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Chu	36123395	Hypertens Res	WB,IF
Fei Zhou	36122525	Biochem Biophys Res Commun	WB
Shiji Huo	34836549	J Neuroinflammation	WB,IF

## 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

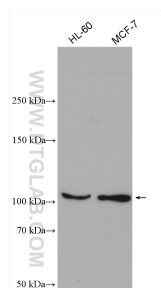
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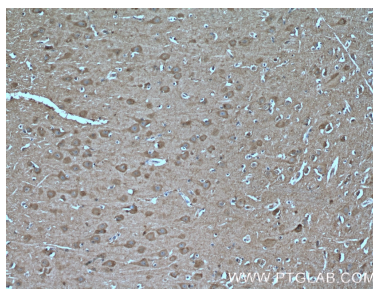
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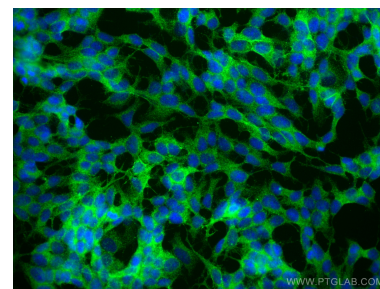
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25890-1-AP (TRPC5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 25890-1-AP (TRPC5 Antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using TRPC5 antibody (25890-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).