

For Research Use Only

TRPC5 Polyclonal antibody

Catalog Number: 25890-1-AP **6 Publications**



Basic Information

Catalog Number: 25890-1-AP	GenBank Accession Number: BC137271	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7224	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: transient receptor potential cation channel, subfamily C, member 5	
Isotype: IgG	Calculated MW: 111 kDa	
Immunogen Catalog Number: AG23171	Observed MW: 105 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: HL-60 cells, MCF-7 cells
Cited Applications: IF, WB	IHC: human brain tissue, human cerebellum tissue
Species Specificity: human, mouse	IF: SH-SY5Y cells,
Cited Species: human, mouse	

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
Shiji Huo	34836549	J Neuroinflammation	WB, IF
Cai Liang	30414390	Biochem Pharmacol	IF
Zhichao Li	29758225	J Mol Cell Cardiol	WB

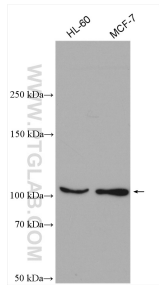
Storage

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

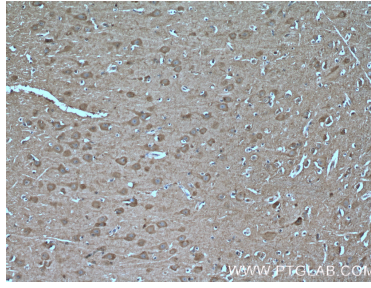
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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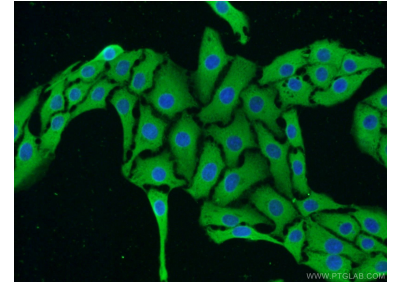
Selected Validation Data



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 SH-SY5Y cells using 25890-1-AP (TRPC5 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).