

For Research Use Only

TRPC3 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84019-5-PBS



Basic Information

Catalog Number: 84019-5-PBS	GenBank Accession Number: BC093682	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 7222	CloneNo.: 241075H3
Source: Rabbit	UNIPROT ID: Q13507	
Isotype: IgG	Full Name: transient receptor potential cation channel, subfamily C, member 3	
Immunogen Catalog Number: AG13024	Calculated MW: 848 aa, 97 kDa	
	Observed MW: 105 kDa, 97 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

TRPC3 (Short transient receptor potential channel 3), also known as TRP3. It is expected to be located in the cell membrane, which is expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis. TRPC3 is one of the classical members of the mammalian transient receptor potential (TRP) superfamily of ion channels. TRPC3 is a molecule with intriguing sensory features including the direct recognition of and activation by diacylglycerols (DAG). Although TRPC3 channels are ubiquitously expressed, they appear to control functions of the cardiovascular system and the brain in a highly specific manner. Moreover, a role of TRPC3 in immunity, cancer, and tissue remodeling has been proposed, generating much interest in TRPC3 as a target for pharmacological intervention. The molecular weight of TRPC3 is 105 kDa, and it can recognize another isoform. (PMID: 30037143)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

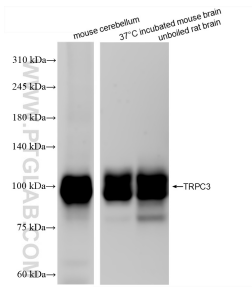
T: 4006900926

E: Proteintech-CN@ptglab.com

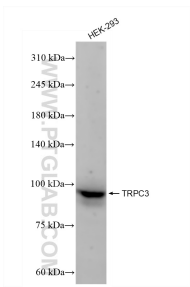
W: ptgcn.com

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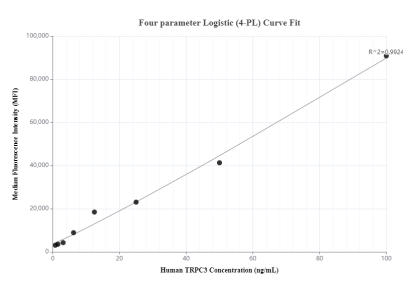
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84019-5-RR (TRPC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84019-5-PBS in a different storage buffer formulation.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 84019-5-RR (TRPC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84019-5-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00972-1, TRPC3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84019-5-PBS. Detection antibody: 84019-4-PBS. Standard: Ag13024. Range: 0.781-100 ng/mL