

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: 100ug , Concentration: 1 mg/ml by Nanodrop;	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

Product Information

84019-5-PBS targets TRPC3 as part of a matched antibody pair:

MP00972-1: 84019-5-PBS capture and 84019-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

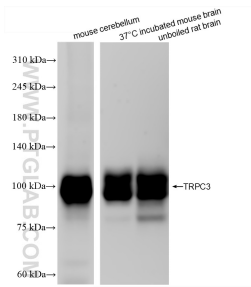
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

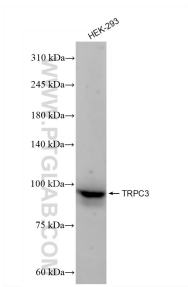
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

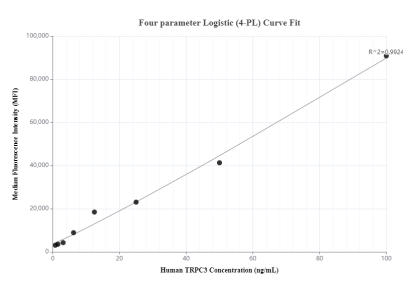
Selected Validation Data



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