

For Research Use Only

TRPM7 Recombinant antibody

Catalog Number: 84324-1-RR



Basic Information

Catalog Number: 84324-1-RR	GenBank Accession Number: NM_017672	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 54822	CloneNo.: 241191G7
Source: Rabbit	UNIPROT ID: Q96QT4	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: transient receptor potential cation channel, subfamily M, member 7	
	Calculated MW: 213 kDa	
	Observed MW: 220 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HUVEC cells
Species Specificity: human	

Background Information

Transient receptor potential melastatin 7 (TRPM7), along with the closely related TRPM6, are unique channels that have dual operations: cation permeability and kinase activity. In contrast to the limited tissue distribution of TRPM6, TRPM7 is widely expressed among tissues and is therefore implicated in a variety of cellular functions physiologically and pathophysiologically. The discovery of TRPM7's unique structure imparting dual ion channel and kinase activities shed light onto novel and peculiar biological functions, such as Mg²⁺ homeostasis, cellular Ca²⁺ flickering, and even intranuclear transcriptional regulation by a cleaved kinase domain translocated to nuclei.

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

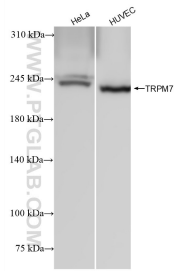
For technical support and original validation data for this product please contact:

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 84324-1-RR (TRPM7 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.