

For Research Use Only

TRPV2 Recombinant antibody

Catalog Number:83022-1-RR



Basic Information

Catalog Number: 83022-1-RR	GenBank Accession Number: BC018926	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51393	CloneNo.: 230141C3
Source: Rabbit	UNIPROT ID: Q9Y551	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: transient receptor potential cation channel, subfamily V, member 2	
Immunogen Catalog Number: AG8864	Calculated MW: 764 aa, 86 kDa	
	Observed MW: ~80 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HT-1080 cells,
Species Specificity: human	

Background Information

Transient receptor potential vanilloid 2 (TRPV2), also name as VRL-1, plays a critical role in neuronal development, cardiac function, immunity, and cancer (PMID: 31566564). It has been found to play an essential role in sustained intracellular Ca²⁺ concentration increase (PMID: 31857697). It's reported that TRPV2 is activated by high temperatures, with a threshold of around 52°C (PMID: 10201375).

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

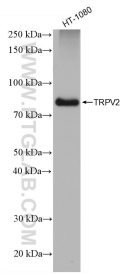
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

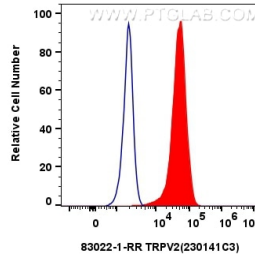
E: proteintech@ptglab.com
W: ptglab.com

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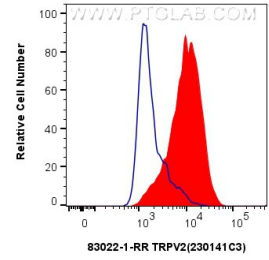
Selected Validation Data



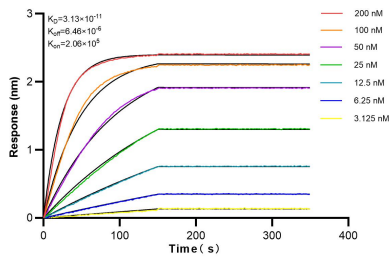
HT-1080 cells were subjected to SDS PAGE followed by western blot with 83022-1-RR (TRPV2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1×10^6 K562 were intracellularly stained with 0.2 μ g TRPV2 Recombinant antibody (83022-1-RR, Clone:230141C3) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.2 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 SH-SY5Y cells were intracellularly stained with 0.25 μ g TRPV2 Recombinant antibody (83022-1-RR, Clone:230141C3) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83022-1-RR against Human TRPV2 were performed. The affinity constant is 31.3 pM.