

For Research Use Only

KCNA3 Recombinant antibody

Catalog Number:85049-4-RR



Basic Information

Catalog Number: 85049-4-RR	GenBank Accession Number: BC035059	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3738	CloneNo.: 242588H8
Source: Rabbit	UNIPROT ID: P22001	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: potassium voltage-gated channel, shaker-related subfamily, member 3	
Immunogen Catalog Number: AG5204	Calculated MW: 575 aa, 64 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-937 cells,
Species Specificity: human	

Background Information

Kv1.3 (also known as KCNA3, MK3, HGK5, HLK3, PCN3, HPCN3) contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, which allows nerve cells to repolarize following an action potential efficiently. It plays an essential role in T cell proliferation and activation. Kv1.3 channels are expressed in various tissues and cell types including the brain, vascular smooth muscle cells, and leucocytes. Malfunction of Kv1.3 can alter the immune response, elicit neurotoxic effects or impact on cancer growth(PMID: 24305723; 24133455).

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

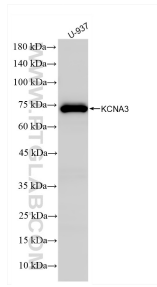
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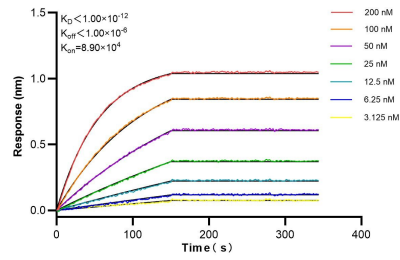
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Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 85049-4-RR (KCNA3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85049-4-RR against Human KCNA3 were performed. The affinity constant is below 1 pM.