

For Research Use Only

KCNA3 Recombinant antibody, PBS Only

Catalog Number: 85049-4-PBS



Basic Information

Catalog Number:

85049-4-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5204

GenBank Accession Number:

BC035059

GeneID (NCBI):

3738

UNIPROT ID:

P22001

Full Name:

potassium voltage-gated channel, shaker-related subfamily, member 3

Calculated MW:

575 aa, 64 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

242588H8

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS Only

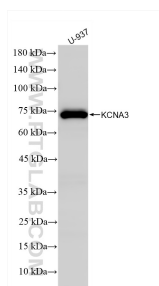
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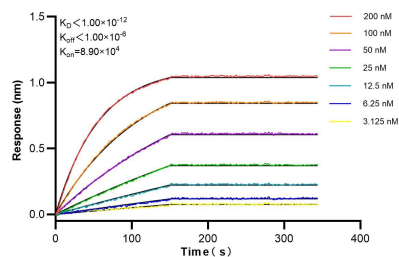
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W: ptglab.com

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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. This data was developed using the same antibody clone with 85049-4-PBS in a different storage buffer formulation.



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