

For Research Use Only

KCNA3 Recombinant antibody

Catalog Number: 85049-4-RR



Basic Information

Catalog Number:

85049-4-RR

Concentration:

1000 ug/ml

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

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : U-937 cells,

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

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

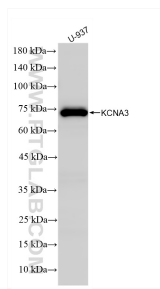
T: 4006900926

E: Proteintech-CN@ptglab.com

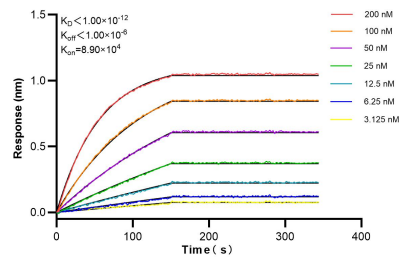
W: ptgcn.com

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

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.