

Kv1.3 antibody (Biotin)

Cat. No. GTX16679-02

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, FCM
Reactivity	Human, Mouse, Rat

Package

50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000
ICC/IF	Assay dependent
IHC-Fr	1:400
FCM	1:10

Note : Do not need a permeabilization step.

Not tested in other applications.

Calculated MW 64 kDa. ([Note](#))

Product Note This antibody was raised against human KV1.3 extracellular domain.

Properties

Form	Liquid
Buffer	PBS, 1% BSA
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Peptide KDYPASTSQDSFEA(C), corresponding to amino acid residues 263-276 of human KV1.3 (Accession P22001). Extracellular loop between domains S1 and S2.
Purification	Purified by antigen-affinity chromatography
Conjugation	Biotin



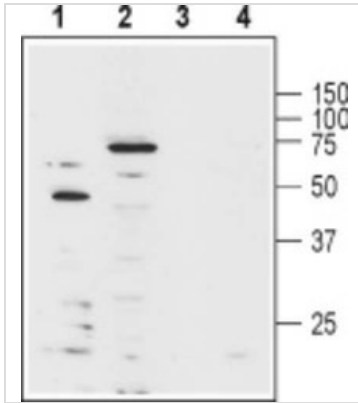
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Note

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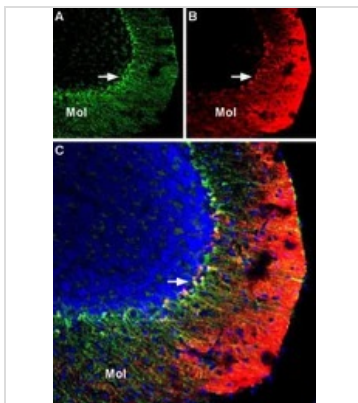
DATA IMAGES

GTx16679-02 WB Image

WB analysis of various samples using GTx16679-02 Kv1.3 antibody (Biotin) prior incubated with (Lane 3-4) or without (Lane 1-2) blocking peptide.

Lane 1 and 3 : Jurkat whole cell lysate

Lane 2 and 4 : mouse brain tissue lysate

Dilution : 1:1000


GTx16679-02 IHC-Fr Image

IHC-Fr analysis of mouse brain tissue using GTx16679-02 Kv1.3 antibody (Biotin)

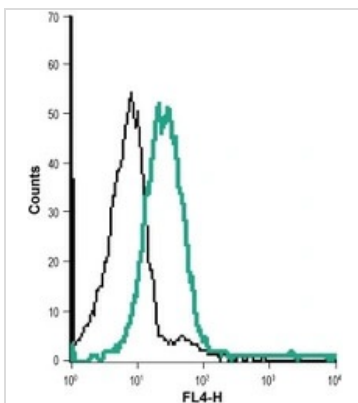
Green : Primary antibody

Red : Kv1.5 antibody

Blue : DAPI

Merge of Kv1.3 and Kv1.5 images suggests considerable co-localization in the soma of Bergmann glia. In the molecular layer, the distribution of Kv1.5 is diffuse, unlike the discrete staining for Kv1.3 in glial processes.

Dilution : 1:400


GTx16679-02 FCM Image

FCM analysis of surface staining on Jurkat cells using GTx16679-02 Kv1.3 antibody (Biotin).

Green line : Primary antibody

Black line : Cells only

Dilution : 1:10



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