

Product Datasheet

Kv1.4 Antibody NBP2-75552

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-75552

Kv1.4 Antibody

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	73 kDa

Product Description

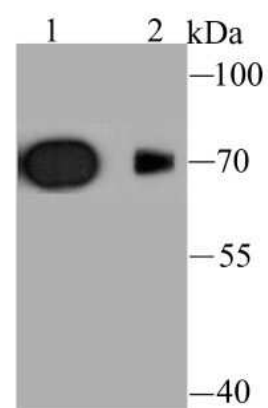
Host	Rabbit
Gene Symbol	KCNA4
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within mouse Kv1.4 aa 201-250 / 654. (SwissProt: Q61423 Mouse; SwissProt: P15385 Rat)

Product Application Details

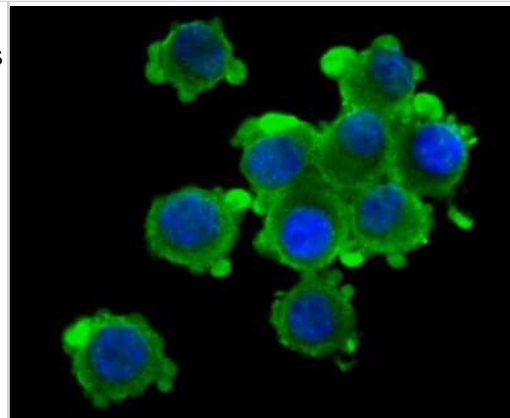
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:100

Images

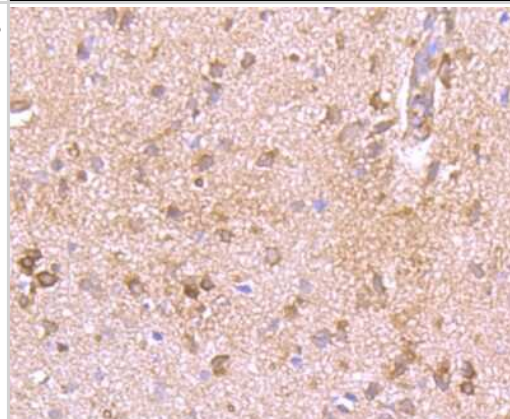
Western Blot: Kv1.4 Antibody [NBP2-75552] - Analysis of Kv1.4 on rat brain (1) and mouse brain (2) tissue lysate using anti-Kv1.4 antibody at 1/1,000 dilution.



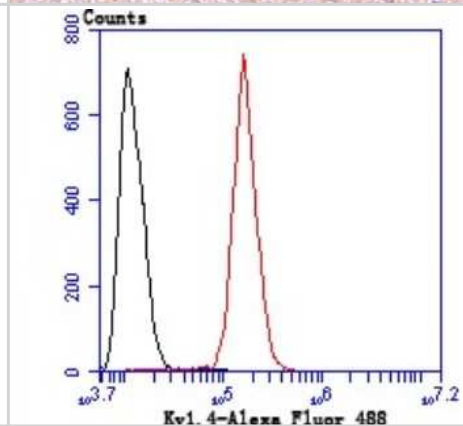
Immunocytochemistry/Immunofluorescence: Kv1.4 Antibody [NBP2-75552] - Staining Kv1.4 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



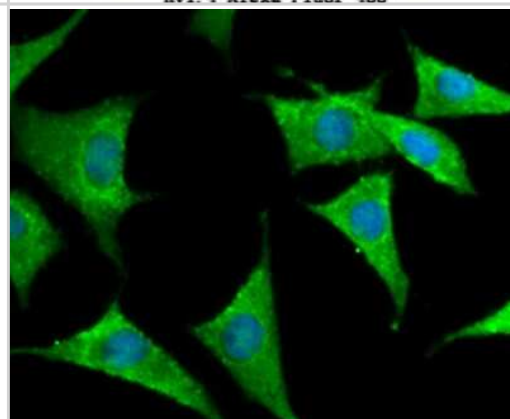
Immunohistochemistry-Paraffin: Kv1.4 Antibody [NBP2-75552] - Analysis of paraffin-embedded rat brain tissue using anti-Kv1.4 antibody. Counter stained with hematoxylin.



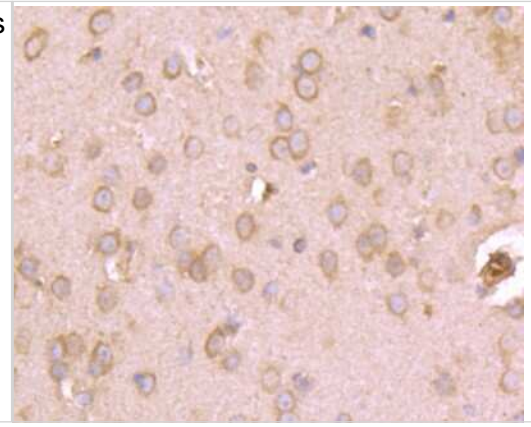
Flow Cytometry: Kv1.4 Antibody [NBP2-75552] - Analysis of SH-SY5Y cells with Kv1.4 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Immunocytochemistry/Immunofluorescence: Kv1.4 Antibody [NBP2-75552] - Staining Kv1.4 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Kv1.4 Antibody [NBP2-75552] - Analysis of paraffin-embedded mouse brain tissue using anti-Kv1.4 antibody. Counter stained with hematoxylin.



Publications

Kuijpers M, Kochlamazashvili G, Stumpf A et al. Neuronal Autophagy Regulates Presynaptic Neurotransmission by Controlling the Axonal Endoplasmic Reticulum Neuron 2020-10-28 [PMID: 33157003]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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