

Kv3.4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51299**Specification**

Kv3.4 Antibody - Product Information

Application	WB
Primary Accession	Q03721
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70 KDa
Antigen Region	1 - 60

Kv3.4 Antibody - Additional Information**Gene ID** 3749**Other Names**

Potassium voltage-gated channel subfamily C member 4, KSHIIIC, Voltage-gated potassium channel subunit Kv34, KCNC4

Target/Specificity

KLH conjugated synthetic peptide derived from human Kv3.4

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Kv3.4 Antibody - Protein Information**Name** KCNC4 ([HGNC:6236](#))**Function**

This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

Cellular Location

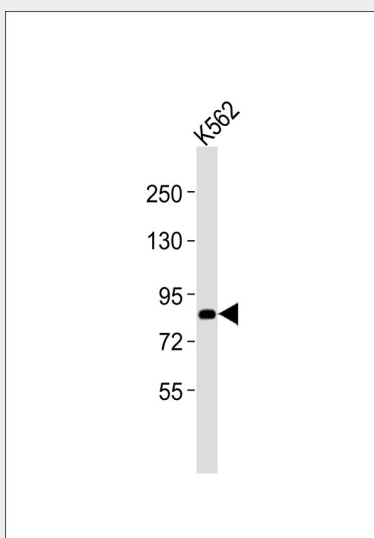
Membrane; Multi-pass membrane protein.

Kv3.4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Kv3.4 Antibody - Images



Anti-Kv3.4 Antibody at 1:1000 dilution + K562 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 70 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

Kv3.4 Antibody - Background

This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

Kv3.4 Antibody - References

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Gregory S.G., et al. Nature 441:315-321(2006).
Covarrubias M., et al. Neuron 13:1403-1412(1994).
Beck E.J., et al. J. Gen. Physiol. 112:71-84(1998).
Antz C., et al. Nature 385:272-275(1997).