

Kv1.3 (pY187) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51650

Product Information

Application WB Primary Accession P22001

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW63842

Additional Information

Gene ID 3738

Other Names Potassium voltage-gated channel subfamily A member 3, HGK5, HLK3, HPCN3,

Voltage-gated K(+) channel HuKIII, Voltage-gated potassium channel subunit

Kv13, KCNA3, HGK5

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

Protein Information

Name KCNA3

Synonyms HGK5

Function [Isoform 1]: 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 [Isoform 1]: Cell membrane; Multi-pass membrane protein [Isoform 3]:

Cytoplasm, perinuclear region

Background

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.

References

Folander K.,et al.Genomics 23:295-296(1994). Gregory S.G.,et al.Nature 441:315-321(2006). Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Philipson L.H.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:53-57(1991). Attali B.,et al.J. Biol. Chem. 267:8650-8657(1992).

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