



Catalog Number:	RA25020	Host:	Rabbit
Product Type:	Affinity Purified Antibody	Species Reactivity:	Rat
Immunogen Sequence:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser503 of the Kv3.1-Subunit Voltage Gated Potassium Channel, conjugated to keyhole limpet hemocyanin (KLH).	Format:	100 ul with 10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg per ml BSA and 50% glycerol
Applications:	Immunohistochemistry-1:1000 Immunofluorescence: 1:1000 Western Blot : 1:1000		

Dilutions listed only as a recommendation. Optimal dilution should be determined by investigator.

Storage: Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.

References: Blaine JT, Ribera AB (1998) Heteromultimeric potassium channels formed by members of the Kv2 subfamily. *J. Neurosci* 18:9585-9593.

Burger C, Ribera AB (1996) *Xenopus* spinal neurons express Kv2 potassium channel transcripts during embryonic development. *J Neurosci* 16:1412-1421.

Gan L, Hahn SJ, Kaczmarek LK (1999) Cell type-specific expression of the Kv3.1 gene is mediated by a negative element in the 5' untranslated region of the Kv3.1 promoter. *J Neurochem* 73:1350-1362.

Maletic-Savatic M, Lenn NJ, Trimmer JS (1995) Differential spatiotemporal expression of K⁺ channel polypeptides in rat hippocampal neurons developing in situ and in vitro. *J Neurosci* 15:3840-3851.

Pongs O (1999) Voltage-gated potassium channels: from hyperexcitability to excitement. *FEBS Lett* 452:31-35.

von Hehn CA, Bhattacharjee A, Kaczmarek LK (2004) Loss of Kv3.1 tonotopicity and alterations in cAMP response element-binding protein signaling in central auditory neurons of hearing impaired mice. *J Neurosci* 24:1936-1940.

Application Notes

This antibody may be used for western blot, immunofluorescence, and immunohistochemistry.

FOR RESEARCH USE ONLY

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