

Product Datasheet

Potassium Channel Kv3.1 [p Ser503] Antibody - Azide Free NB300-279

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB300-279**Potassium Channel Kv3.1 [p Ser503] Antibody - Azide Free**

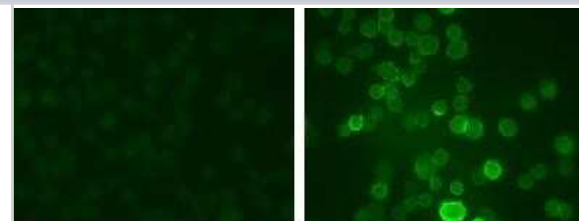
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	100 kDa

Product Description	
Host	Rabbit
Gene ID	3746
Gene Symbol	KCNC1
Species	Mouse, Rat, Hamster
Reactivity Notes	Tested in Rat and Mouse.
Specificity/Sensitivity	Specific for endogenous levels of the ~100 kDa Kv3.1 voltage-gated potassium channel protein phosphorylated at Ser503.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser503 conjugated to KLH. Accession # P25122

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:400, Immunohistochemistry-Frozen 1:1000

Images

Immunohistochemistry: Kv3.1 [p Ser503] Antibody [NB300-279] - IHC staining of medial nucleus of the trapezoid body (MNTB) cells with the phospho-Ser503 Kv3.1 subunit antibody. The left panel shows control cells. The right panel shows cells that have been exposed to the protein kinase C activator PMA.



Publications

Gan L, Hahn SJ, Kaczmarek LK. 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. 1999-01-01 [PMID: 10501178]

Pongs O. Voltage-gated potassium channels: from hyperexcitability to excitement. *FEBS Lett* 452:31-35. 1999-01-01 [PMID: 10376673]

Blaine JT, Ribera AB. Heteromultimeric potassium channels formed by members of the Kv2 subfamily. *J. Neurosci* 18:9585-9593. 1998-01-01 [PMID: 9822719]

Burger C, Ribera AB. *Xenopus* spinal neurons express Kv2 potassium channel transcripts during embryonic development. *J Neurosci* 16:1412-1421. 1996-01-01 [PMID: 8778292]

Maletic-Savatic M, Lenn NJ, Trimmer JS. Differential spatiotemporal expression of K⁺ channel polypeptides in rat hippocampal neurons developing in situ in vitro. *J Neurosci* 15:3840-3851. 1995-01-01 [PMID: 7751950]

von Hehn CA, Bhattacharjee A, Kaczmarek LK. 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. 2004-01-01 [PMID: 14985434]





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Products Related to NB300-279

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-30395PEP	Potassium Channel Kv3.1 Recombinant Protein Antigen

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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