

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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Publications: 6

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

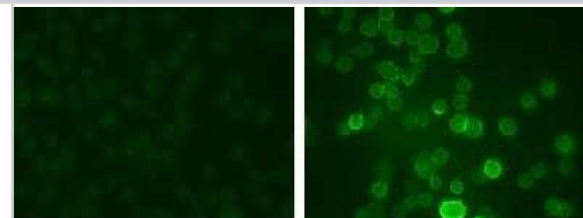
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES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

Product Description	
Description	Novus Biologicals Rabbit Potassium Channel Kv3.1 [p Ser503] Antibody - Azide Free (NB300-279) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Potassium Channel Kv3.1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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