

Product Datasheet

Potassium Channel Kv3.1 Antibody (S16B-8) NBP2-12903-0.025mg

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-12903-0.025mg

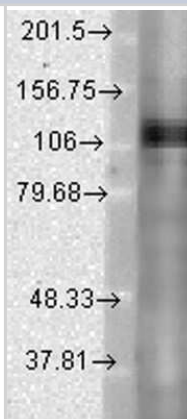
Potassium Channel Kv3.1 Antibody (S16B-8)

Product Information	
Unit Size	0.025 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S16B-8
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3746
Gene Symbol	KCNC1
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 110kDa. Weakly reactive in human samples.
Immunogen	Fusion protein amino acids 437-585 (C-terminus) or rat Kv3.1b
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Microarray
Recommended Dilutions	Western Blot 1-10 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 0.1-1.0 ug/ml, Microarray
Application Notes	1 ug/ml of Kv3.1 Antibody was sufficient for detection of Kv3.1b in 10 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

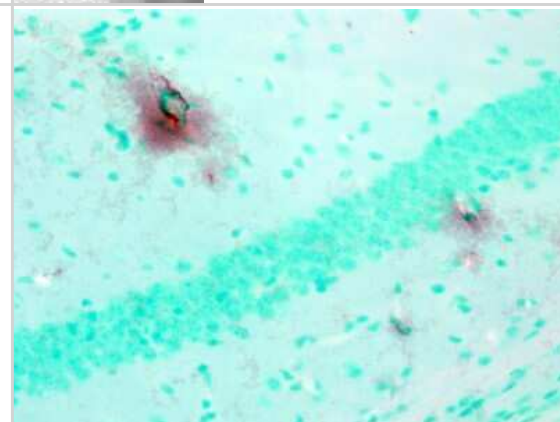


Images

Western Blot: Potassium Channel Kv3.1 Antibody (S16B-8) [NBP2-12903] - analysis of Rat brain lysates showing detection of Kv3.1 Potassium Channel protein using Mouse Anti-Kv3.1 Potassium Channel Monoclonal Antibody, Clone S16B-8 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Kv3.1 Potassium Channel Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry-Paraffin: Potassium Channel Kv3.1 Antibody (S16B-8) [NBP2-12903] - Mouse brain tissue.



Publications

Jin X, Xie J, Yeh CW et al. WNK1 promotes water homeostasis by acting as a central osmolality sensor for arginine vasopressin release The Journal of clinical investigation 2023-04-18 [PMID: 37071482] (KD, WB, Mouse)



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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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