

# Product Datasheet

## Potassium Channel Kv3.1 Antibody NBP1-42819SS

Unit Size: 0.025 ml

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

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**NBP1-42819SS****Potassium Channel Kv3.1 Antibody****Product Information**

<b>Unit Size</b>	0.025 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	110 kDa

**Product Description**

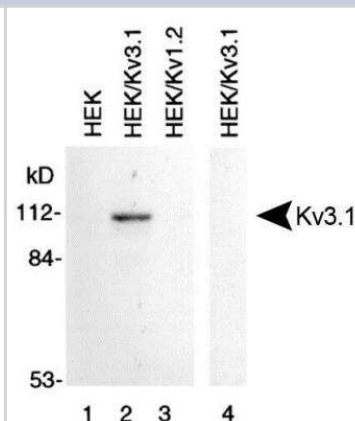
<b>Host</b>	Rabbit
<b>Gene ID</b>	3746
<b>Gene Symbol</b>	KCNC1
<b>Species</b>	Human, Mouse, Rat, Bovine, Canine, Rabbit
<b>Reactivity Notes</b>	Human, mouse, rat, rabbit, bovine, canine and other vertebrates.
<b>Specificity/Sensitivity</b>	Does not cross-react with Kv1.2 or Kv1.3.
<b>Immunogen</b>	Synthetic peptide made to an internal portion of rat Kv3.1 (within residues 350-400). [Swiss-Prot# P25122]

**Product Application Details**

<b>Applications</b>	Western Blot, Immunoprecipitation, Block/Neutralize
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Immunoprecipitation 1:10-1:500, Block/Neutralize
<b>Application Notes</b>	This Kv3.1 antibody is useful for Blocking/Neutralizing, Western blot and Immunoprecipitation. In WB a band can be seen at ~110 kDa. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

Western Blot: Potassium Channel Kv3.1 Antibody [NBP1-42819] - Membrane preparations from HEK-293 cells untransfected (lane 1), transfected with Kv3.1 (lanes 2 and 4) and transfected with Kv1.2 (lane 3) were subjected to SDS-PAGE and were Western blotted with Kv3.1 Antibody (NBP1-42819). Lane 4 was probed with NBP1-42819 that had been preincubated with the peptide used to generate NBP1-42819.



## Publications

Chen C, Wang L, Rong X et al. Effects of fluoxetine on protein expression of potassium ion channels in the brain of chronic mild stress rats. Acta Pharm Sin B 2015-01-01 [PMID: 26579425] (WB, Rat)

Zhou BY, Ma W, Huang XY. Specific antibodies to the external vestibule of voltage-gated potassium channels block current. J Gen Physiol;111(4):555-63. 1998-04-01 [PMID: 9524138] (WB, Human)



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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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