

# Product Datasheet

## KCNK13 Antibody - BSA Free

### NBP2-41132

Unit Size: 0.1 mg

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

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**NBP2-41132**

KCNK13 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

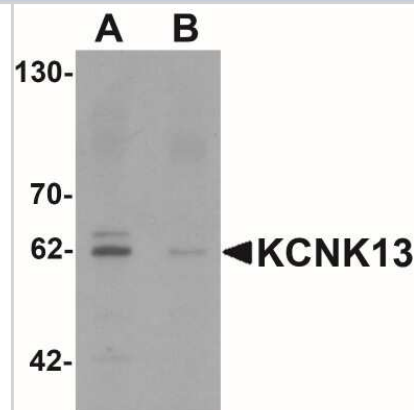
Product Description	
Host	Rabbit
Gene ID	56659
Gene Symbol	KCNK13
Species	Human, Mouse, Rat
Specificity/Sensitivity	KCNK13 antibody is predicted to not cross-react with other KCNK protein family members.
Immunogen	Antibody was raised against a 15 amino acid synthetic peptide near the center of human KCNK13. The immunogen is located within amino acids 150 - 200 of KCNK13. Amino Acid Sequence: RRGALPQESLKDAGQ

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5 ug/mL, ELISA, Immunohistochemistry 5 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 0.5 ug/mL
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 30332606).

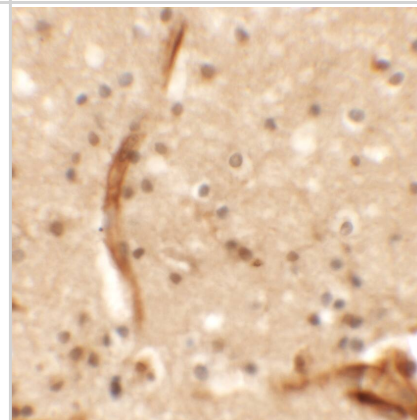


## Images

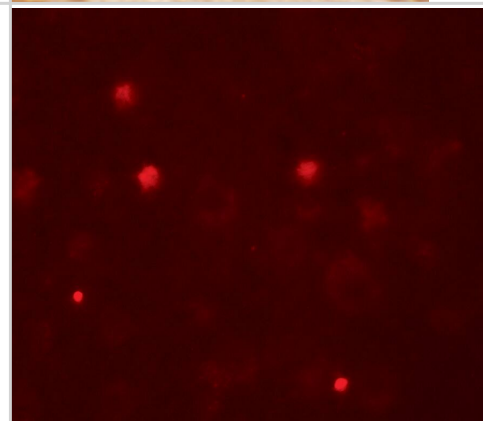
Western Blot: KCNK13 Antibody [NBP2-41132] - Analysis of KCNK13 in rat brain tissue lysate with KCNK13 antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry: KCNK13 Antibody - BSA Free [NBP2-41132] - Immunohistochemistry of KCNK13 in human brain tissue with KCNK13 antibody at 5 u/mL.



Immunocytochemistry/ Immunofluorescence: KCNK13 Antibody - BSA Free [NBP2-41132] - Immunofluorescence of KCNK13 in human brain tissue with KCNK13 antibody at 20 u/mL.



## Publications

You C, Vandegrift BJ, Brodie MS KCNK13 potassium channels in the ventral tegmental area of rats are important for excitation of ventral tegmental area neurons by ethanol Alcoholism, clinical and experimental research 2021-05-07 [PMID: 33960499]

You C, Savarese A, Vandegrift BJ et al. Ethanol acts on kCNk13 potassium channels in the ventral tegmental area to increase firing rate and modulate binge-like drinking. Neuropharmacology. 2018-10-14 [PMID: 30332606] (ICC/IF, Mouse)



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### **Products Related to NBP2-41132**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-41132PEP	KCNK13 Antibody Blocking Peptide

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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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