

Anti-KCNK13 Antibody

Catalog Number: A14190

About KCNK13

The closely related proteins KCNK13 and KCNK12 (also known as THIK1 and 2) are the first two members of a novel two pore-forming P domains K⁺ channels subfamily. The pore loop domain, a highly conserved region common to all potassium channels, is involved in determining potassium ion selectivity. Members of this family are all characterized by four transmembrane domains and may function to help influence the resting membrane potential of cells. KCNK13 is expressed mainly in the brain, but is also observed in kidneys. KCNK13 has been suggested to be a candidate for the Cs⁺-permeable K⁺ channel activated by GABA(B) receptors.

Overview

Product Name	Anti-KCNK13 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KCNK13 Antibody (Catalog # A14190). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	KCNK13 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	KCNK13 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9HB14

Technical Details

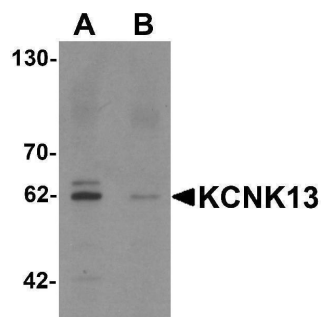
Immunogen	KCNK13 antibody was raised against a 15 amino acid synthetic peptide near the center of human KCNK13. The immunogen is located within amino acids 150 - 200 of KCNK13.
Predicted Reactive Species	Bovine, Mouse, Rat
Cross Reactivity	KCNK13 antibody is predicted to not cross-react with other KCNK protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	KCNK13 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

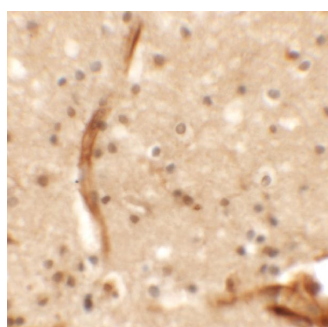
KCNK13 antibody can be used for detection of KCNK13 by Western blot at 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

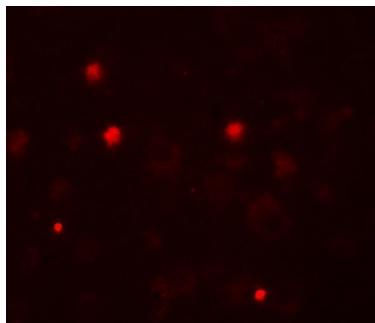
Anti-KCNK13 Antibody (A14190) Images



Western blot 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 of KCNK13 in human brain tissue with KCNK13 antibody at 5 ug/mL.



Immunofluorescence of KCNK13 in human brain tissue with KCNK13 antibody at 20 ug/mL.

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Anti-KCNK13 Antibody

For Research Use Only. Not for use in diagnostic procedures.