

## Anti-KCNK1 Antibody

Catalog Number: A04502-1

### About KCNK1

The potassium channel, subfamily K, member 1 (KCNK1), is member of the superfamily of potassium channel proteins containing two pore-forming P domains (1,2). KCNK1 is a ubiquitous human weakly inward rectifying K<sup>+</sup> channel that is widely expressed in human tissues, and particularly abundant in brain and heart (1). Both KCNK1 and the related protein KCNK2 contribute significantly to the passive conductance of hippocampal astrocytes (3).

### Overview

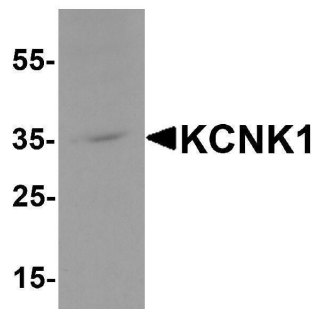
Product Name	Anti-KCNK1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-KCNK1 Antibody (Catalog # A04502-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	KCNK1 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	KCNK1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	O00180

### Technical Details

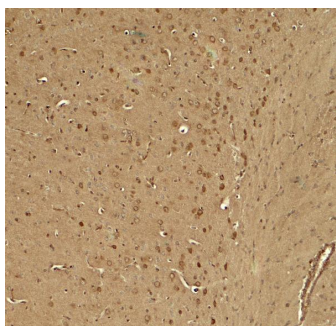
Immunogen	KCNK1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human KCNK1. The immunogen is located within amino acids 220 - 270 of KCNK1.
Predicted Reactive Species	Bovine, Guinea Pig, Rabbit
Cross Reactivity	KCNK1 antibody is human, mouse and rat reactive. KCNK1 antibody is predicted to not cross-react with other KCNK proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	KCNK1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	KCNK1 antibody can be used for detection of KCNK1 by Western blot at 1 - 2 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 mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

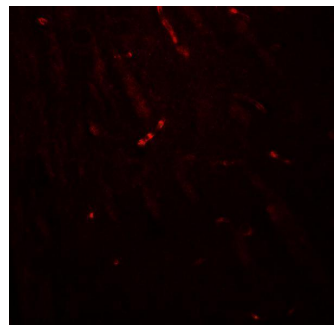
## Anti-KCNK1 Antibody (A04502-1) Images



Western blot analysis of KCNK1 in 3T3 cell lysate with KCNK1 antibody at 1 ug/ml.



Immunohistochemistry of KCNK1 in mouse brain tissue with KCNK1 antibody at 5 ug/ml.



Immunofluorescence of KCNK1 in mouse brain tissue with KCNK1 antibody at 20 ug/ml.

### Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-KCNK1 Antibody

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