BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-TRESK KCNK18 Antibody

Catalog Number: A07164

About KCNK18

TRESK (TWIK-related spinal cord K+ channel) is a two-pore domain K+ channel that induces outward rectification and functions as a background K+ channel that is abundantly expressed in the spinal cord, thymus, spleen, and leukemic T-lymphocytes. TRESK is activated by increased cytoplasmic calcium concentration through calcineurin as well as by acetylcholine and histamine. It has been suggested that TRESK is linked to acute and chronic pain by activation of calcineurin. Other studies indicate that TRESK may play a role in the regulation of T-cell function and could be an excellent target to treat T-cell originated immune dysfunction.

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Overview

Product Name	Anti-TRESK KCNK18 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TRESK KCNK18 Antibody (Catalog # A07164). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TRESK Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TRESK antibody can be stored at 4°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	Q7Z418

Technical Details

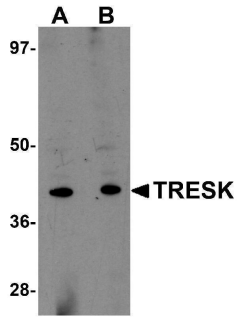
Immunogen	TRESK antibody was raised against a 17 amino acid synthetic peptide from near the center of human TRESK. The immunogen is located within amino acids 210 - 260 of TRESK.
Predicted Reactive Species	Bovine
Isotype	IgG

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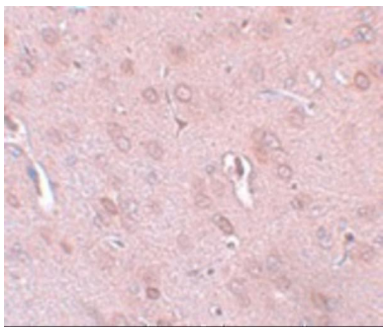
Form	Liquid
Concentration	1 mg/mL
Purification	TRESK Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TRESK antibody can be used for detection of TRESK by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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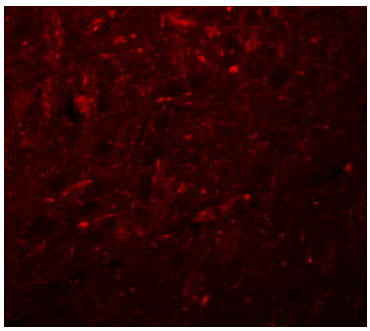
Anti-TRESK KCNK18 Antibody (A07164) Images



Western blot analysis of TRESK in rat brain tissue lysate with TRESK antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of TRESK in rat brain tissue with TRESK antibody at 5 ug/mL.



Immunofluorescence of TRESK in Rat Brain cells with TRESK antibody at 20 ug/mL.

Anti-TRESK KCNK18 Antibody

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