BOSTER BIOLOGICAL TECHNOLOGY
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Anti-JPH2 JPH4 Antibody

Catalog Number: A13608

About JPH4

Junctional complexes between the plasma membrane (PM) and endoplasmic/sarcoplasmic reticulum (ER/SR) are a common feature of all excitable cell types and mediate cross talk between cell surface and intracellular ion channels. Junctophilins (JPs) are important components of the junctional complexes. JPs are composed of a carboxy-terminal hydrophobic segment spanning the ER/SR membrane and a remaining cytoplasmic domain that shows specific affinity for the PM. Four JPs have been identified as tissue-specific subtypes derived from different genes: JPH1 is expressed in skeletal muscle, JPH2 is detected throughout all muscle cell types, and JPH3 and JPH4 are predominantly expressed in the brain and contribute to the subsurface cistern formation in neurons. JPH2-null mice died of embryonic cardiac arrest and human patients with mutations in the JPH2 gene showed hypertrophic cardiomyopathy, demonstrating the importance of this protein. Multiple isoforms of JPH2 are known to exist.

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Overview

Product Name	Anti-JPH2 JPH4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-JPH2 JPH4 Antibody (Catalog # A13608). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	JPH2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	JPH2 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	Q96JJ6

Technical Details

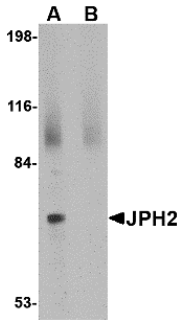
Immunogen	JPH2 antibody was raised against a 14 amino acid synthetic peptide near the carboxy terminus of human JPH2. The immunogen is located within amino acids 510 - 560 of JPH2.

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Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	JPH2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	JPH2 antibody can be used for detection of JPH2 by Western blot at 2 ug/mL. Antibody validated: Western Blot in human 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-JPH2 JPH4 Antibody (A13608) Images



Western blot analysis of JPH2 in 293 cell lysate with JPH2 antibody at 2 ug/mL in (A) the absence and (B) the presence of blocking peptide.

Anti-JPH2 JPH4 Antibody

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