BOSTER BIOLOGICAL TECHNOLOGY
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Anti-HVCN1 Antibody

Catalog Number: A05922

About HVCN1

HVCN1 (hydrogen voltage-gated channel 1), a voltage gated proton channel protein that is highly expressed in immune tissues, mediates the proton conductances required by phagocytic leukocytes for the oxidative burst that underlies microbial killing. HVCN1 moderates the voltage-dependent proton permeability of excitable membranes by allowing the flow of protons in accordance to their electrochemical gradient. HVCN1 is sensitive to zinc ions, and can be inhibited by them. HVCN1 may represent a new therapeutic target for B cell malignancies on continued signaling via the B cell antigen receptor.

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Overview

Product Name	Anti-HVCN1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HVCN1 Antibody (Catalog # A05922). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	HVCN1 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	HVCN1 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	Q96D96

Technical Details

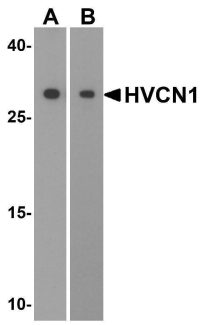
Immunogen	HVCN1 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human HVCN1. The immunogen is located within the last 50 amino acids of HVCN1.
Predicted Reactive Species	Chicken
Isotype	IgG

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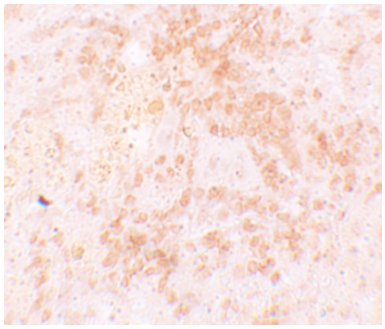
Form	Liquid
Concentration	1 mg/mL
Purification	HVCN1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	HVCN1 antibody can be used for detection of HVCN1 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human and mouse 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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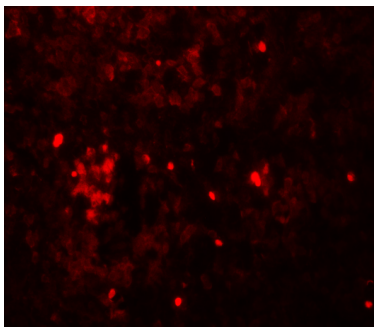
Anti-HVCN1 Antibody (A05922) Images



Western blot analysis of HVCN1 in (A) human spleen and (B) mouse spleen tissue lysates with HVCN1 antibody at 1 ug/mL.



Immunohistochemistry of HVCN1 in rat spleen tissue with HVCN1 antibody at 5 ug/mL.



Immunofluorescence of HVCN1 in Rat Spleen cells with HVCN1 antibody at 20 ug/mL.

Anti-HVCN1 Antibody

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