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Anti-Protein jagunal homolog 1 JAGN1 Antibody

Catalog Number: A09158

About JAGN1

JAGN1 is the human ortholog of a gene originally identified in Drosophila melanogaster. It is a transmembrane protein that functions in the early secretory pathway and is necessary for neutrophil differentiation and survival. Individuals with mutations in the JAGN1 gene causes aberrant myeloid cell homeostasis and severe congenital neutropenia (SCN) (1). JAGN1-mutant granulocytes are characterized by ultrastructural defects, aberrant N-glycosylation of multiple proteins, and increased apoptosis (1). Mice lacking this gene could not mount and efficient neutrophil-dependent immune response to a human fungal pathogen (2).

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Overview

Product Name	Anti-Protein jagunal homolog 1 JAGN1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein jagunal homolog 1 JAGN1 Antibody (Catalog # A09158). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	JAGN1 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	JAGN1 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8N5M9

Technical Details

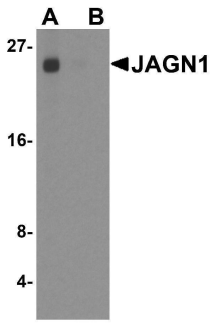
Immunogen	JAGN1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human JAGN1. The immunogen is located within the last 50 amino acids of JAGN1.
Predicted Reactive Species	Bovine
Cross Reactivity	JAGN1 antibody is human, mouse and rat reactive. At least four isoforms of JAGN1 are known to exist; this antibody will detect all but isoform 2.

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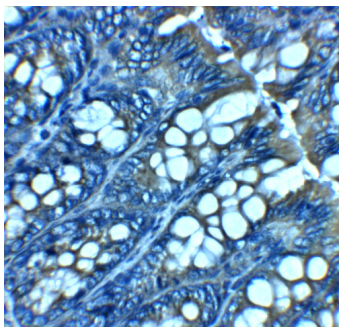
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	JAGN1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	JAGN1 antibody can be used for detection of JAGN1 by Western blot at 1 - 2 ug/ml. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry 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-Protein jagunal homolog 1 JAGN1 Antibody (A09158) Images



Western blot analysis of JAGN1 in MCF7 cell lysate with JAGN1 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of JAGN1 in rat colon tissue with JAGN1 antibody at 2.5 ug/mL.

Anti-Protein jagunal homolog 1 JAGN1 Antibody

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