Product Datasheet

NOTCH1 Polyclonal Antibody

Catalog No: #30991

Package Size: #30991-1 50ul #30991-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	NOTCH1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	A synthetic peptide of human NOTCH1
Conjugates	Unconjugated
Other Names	NOTCH1; AOS5; AOVD1; TAN1; hN1; notch 1
Accession No.	Swiss-Prot#:P46531NCBI Gene ID:4851
Calculated MW	300kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

Background

This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.

Published Papers

el at., DLX5 promotes osteosarcoma progression via activation of the NOTCH signaling pathway. In Am J Cancer Res on 2021 Jun 15 by Xiaojing Zhang, Huiqin Bian, et al..PMID:34249467, , (2021)

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Lanping Zhu;Yang Luo;Yaxin Liu;Siyuan Sun;Junjie Yuan;Lijun Zhang;Weilong Zhong;Shuang Ma;Zihan Yu;Jinjie Zhou;Xin Chen;Jingwen Zhao el at., Clostridium butyricum ameliorates indomethacin-induced enteropathy by promoting MUC2 secretion via suppressing the Notch pathway., , (2025)

PMID:40177488

Lanping Zhu;Yang Luo;Yaxin Liu;Siyuan Sun;Junjie Yuan;Lijun Zhang;Weilong Zhong;Shuang Ma;Zihan Yu;Jinjie Zhou;Xin Chen;Jingwen Zhao el at., Clostridium butyricum ameliorates indomethacin-induced enteropathy by promoting MUC2 secretion via suppressing the Notch pathway., , (2025)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.