

Rabbit anti-Human Notch1 Monoclonal Antibody | anti-NOTCH1 antibody

Notch1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282676	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

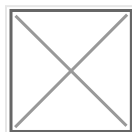
PRODUCT SYNONYMS

Notch1; Monoclonal Antibody; Notch1 Rabbit mAb; hN1; AOS5; TAN1; AOVD1; anti-NOTCH1 antibody

PRODUCT SPECIFICATIONS

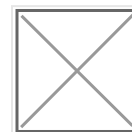
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ILPQESPALP TSLPSSLVPP VTAAQFLTPP SQHSYSSPVD NTPSHQLQVP EHPFLTPSPE SPDQWSSSSP HSNVSDWSEG VSSPPTSMQS QIARIPEAFK
Applicable Applications for anti-NOTCH1 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 2456-2555 of human Notch1 (P46531).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200 ug extracts of 293T cells using 3 ug Notch1 antibody (AAA282676). Western blot was performed from the immunoprecipitate using Notch1 antibody (AAA282676) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of various lysates using Notch1 Rabbit mAb (AAA282676) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-NOTCH1 antibody	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.
Product Categories/Family for anti-NOTCH1 antibody	Epigenetics Nuclear Signaling; Transcription Factors; Signal Transduction; Cell Biology Developmental Biology; ESC Pluripotency and Differentiation; Neuroscience; Cell Type Marker; Neurodegenerative Diseases; Stem Cells; Hematopoietic Progenitors; Cardiov

NCBI AND UNIPROT INFORMATION

NCBI GI #	148833508
NCBI GeneID	4851
NCBI Accession #	NP_060087.3
NCBI GenBank Nucleotide #	NM_017617.3
UniProt Accession #	P46531; Q59ED8; Q5SXM3
Molecular Weight	Calculated MW: 273kDa Observed MW: 125kDa
UniProt Protein Name	Neurogenic locus notch homolog protein 1
UniProt Gene Name	NOTCH1
UniProt Synonym Gene Names	TAN1; Notch 1; hN1; NICD
UniProt Entry Name	NOTC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.