

Rabbit Notch1 Polyclonal Antibody | anti-Notch1 antibody

[KO Validated] Notch1 Rabbit pAb

CATALOG # AAA281676	HOST Rabbit	APPLICATIONS Immunofluorescence, Western Blot
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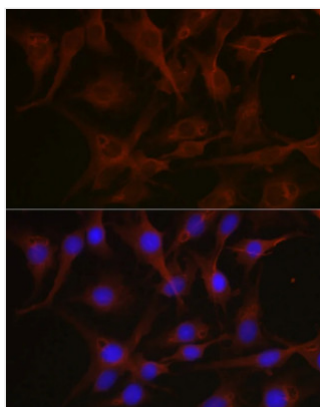
PRODUCT SYNONYMS

Notch1; Polyclonal Antibody; [KO Validated] Notch1 Rabbit pAb; AOS5; AOVD1; TAN1; hN1; NOTCH1; Activated NOTCH1; notch 1; anti-Notch1 antibody

PRODUCT SPECIFICATIONS

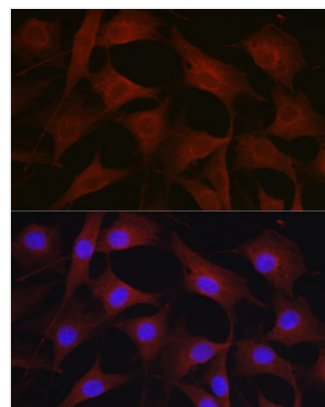
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Applicable Applications for anti-Notch1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human Notch1
Cross-Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



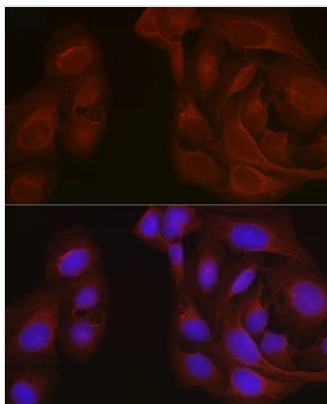
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Notch1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



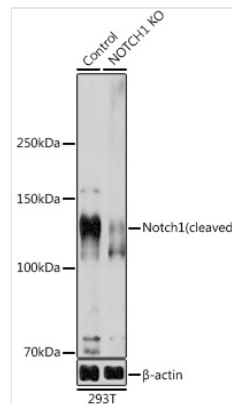
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Notch1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



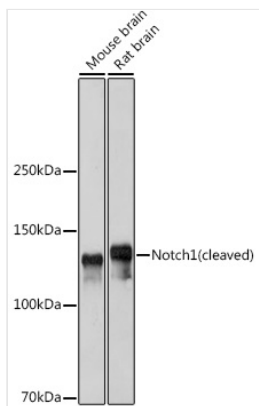
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Notch1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts from normal (control) and Notch1 knockout (KO) 293T cells, using Notch1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Notch1 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-Notch1 antibody

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.

Product Categories/Family for anti-Notch1 antibody

[Epigenetics & Nuclear Signaling](#); [Transcription Factors](#); [Research](#); [Cell Biology & Developmental Biology](#); [Notch Signaling Pathway](#); [Research](#); [Cell Biology & Developmental Biology](#); [ESC Pluripotency and Differentiation](#); [Research](#); [Stem Cells](#); [Hematopoietic Prog](#)

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	Observed MW: 120 kDa Calculated MW: 272 kDa
NCBI Official Full Name	neurogenic locus notch homolog protein 1 preproprotein
NCBI Official Synonym Full Names	notch 1
NCBI Official Symbol	NOTCH1
NCBI Official Synonym Symbols	hN1; TAN1
NCBI Protein Information	neurogenic locus notch homolog protein 1; Notch homolog 1, translocation-associated; translocation-associated notch protein TAN-1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/notch1-antibody-immunofluorescence-western-blot-elisa/281676>