

Rabbit NOTCH1 Polyclonal Antibody | anti-NOTCH1 antibody

Anti-NOTCH1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254175	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

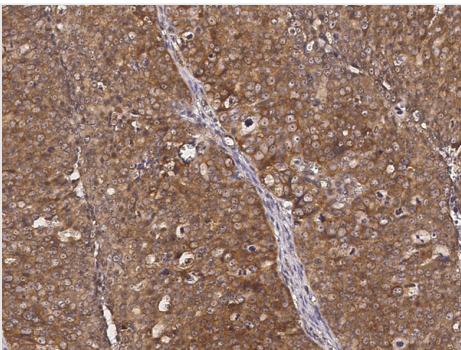
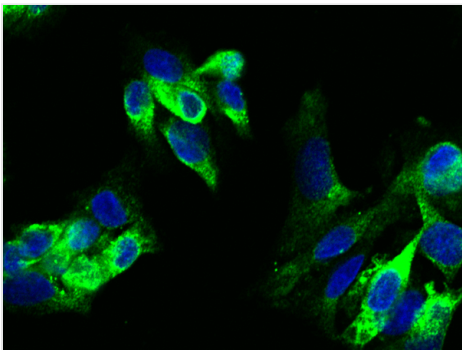
PRODUCT SYNONYMS

NOTCH1; Polyclonal Antibody; Anti-NOTCH1 Antibody; Rabbit Polyclonal; NOTCH1 Antibody; Rabbit PAb; Antigen Affinity Purified; notch 1; Anti-AOS5 Antibody; Anti-AOVD1 Antibody; Anti-hN1 Antibody; Anti-TAN1 Antibody; anti-NOTCH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NOTCH1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NOTCH1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human NOTCH1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human NOTCH1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of NOTCH1 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human NOTCH1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human NOTCH1 in human ovarian cancer with rabbit polyclonal antibody (1:500, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-NOTCH1 antibody	NOTCH1 is one of the four mammalian Notch receptors, which is involved in the Notch signaling pathway. Specifically, NOTCH1 promotes the proliferation of myogenic precursor cells, and the NICD domain of NOTCH1 can impair the regeneration of skeletal muscles. NOTCH1 is a prevalent signaling pathway in T cell acute lymphoblastic leukemia (T-ALL). The NOTCH signaling pathway is a conserved signaling cascade that regulates many aspects of development and homeostasis in multiple organ systems. The proto-oncogene NOTCH1 is frequently mutated in around 10% of patients with chronic lymphocytic leukemia (CLL). NOTCH1 mutations in oral squamous cell carcinoma (OSCC) frequently occur near the ligand-binding region. These mutations change the domain structure of this protein and affect the ligand-binding activity. When NOTCH1 is activated by ligand binding, the NOTCH1 intracellular domain (NICD) is cleaved from the cell membrane.
Product Categories/Family for anti-NOTCH1 antibody	Notch Pathway Tumor Suppressors

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	272,505 Da
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

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/notch1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254175>