Rabbit NOTCH3 Polyclonal Antibody | anti-NOTCH3 antibody

NOTCH3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288356	**Rabbit**	**Mouse (Predicted Reactivity: Human)**	**Immunohistochemistry, Immunofluorescence, ELISA, Western Blot**

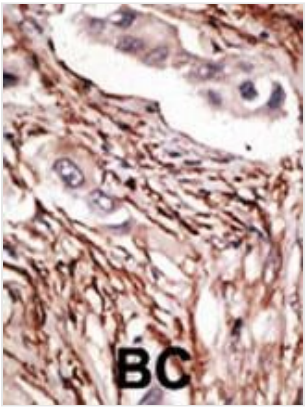
PRODUCT SYNONYMS

NOTCH3; Polyclonal Antibody; NOTCH3 Antibody (C-term); Neurogenic locus notch homolog protein 3; Notch 3; Notch 3 extracellular truncation; Notch 3 intracellular domain; anti-NOTCH3 antibody

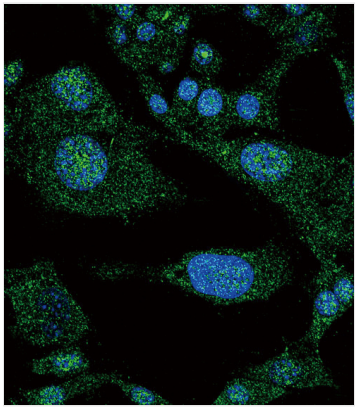
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Human)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NOTCH3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2291-2321 amino acids from the C-terminal region of human NOTCH3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	2291-2321
Sequence Length	2321
Applicable Applications for anti-NOTCH3 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

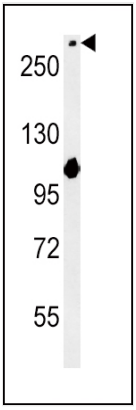
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of NOTCH3 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
NOTCH3-Q2306 western blot analysis in mouse NIH-3T3 cell line lysates (15ug/lane).This demonstrates the NOTCH3 antibody detected the NOTCH3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NOTCH3 antibody	NOTCH3 is the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL).
Product Categories/Family for anti-NOTCH3 antibody	Cardiovascular; Neuroscience; Signal Transduction
References	Suwanwela, N., et al., J Med Assoc Thai 86(2):178-182 (2003). Ahearn, E.P., et al., Am. J. Med. Genet. 114(6):652-658 (2002). Bellavia, D., et al., Proc. Natl. Acad. Sci. U.S.A. 99(6):3788-3793 (2002). Ito, D., et al., J. Neurol. Neurosurg. Psychiatr. 72(3):382-384 (2002). Joutel, A., et al., Lancet 350(9090):1511-1515 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	134244285
NCBI GeneID	4854
NCBI Accession #	NP_000426.2

NCBI GenBank Nucleotide #	NM_000435.2
UniProt Accession #	Q9UM47; Q9UEB3; Q9UPL3; Q9Y6L8
Molecular Weight	243631
NCBI Official Full Name	neurogenic locus notch homolog protein 3
NCBI Official Synonym Full Names	notch 3
NCBI Official Symbol	NOTCH3
NCBI Official Synonym Symbols	IMF2; CASIL; CADASIL
NCBI Protein Information	neurogenic locus notch homolog protein 3
UniProt Protein Name	Neurogenic locus notch homolog protein 3
UniProt Gene Name	**NOTCH3**
UniProt Synonym Gene Names	Notch 3
UniProt Entry Name	NOTC3_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/notch3-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/288356