

Datasheet for ABIN6144736
anti-NOTCH2 antibody (AA 2242-2471)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	NOTCH2
Binding Specificity:	AA 2242-2471
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 2242-2471 of human NOTCH2 (NP_077719.2).
Sequence:	SRLHPVPVPA DWMNRMEVNE TQYNEMFGMV LAPAEGTHPG IAPQSRPPEG KHITTPREPL PPIVTFQLIP KGSIAQPAGA PQPQSTCPPA VAGPLPTMYQ IPEMARLPSV AFPTAMMPQQ DGQVAQTILP AYHPFPASVG KYTPPSQHS YASSNAAERT PSHSGHLQGE HPYLTPSPES PDQWSSSSPH SASDWSDVTT SPTPGGAGGG QRGPGTHMSE PPHNNMQVYA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NOTCH2
Alternative Name:	NOTCH2 (NOTCH2 Products)
Background:	<p>This gene encodes a member of the Notch family. Members of this Type 1 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 family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophila, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. Two transcript variants encoding different isoforms have been found for this gene.,NOTCH2,AGS2,HJCYS,hN2,notch 2,Epigenetics & Nuclear Signaling,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Cell differentiation,Notch Signaling Pathway,ESC Pluripotency and Differentiation,Neuroscience,Stem Cells,NOTCH2</p>
Molecular Weight:	265 kDa
Gene ID:	4853
UniProt:	Q04721
Pathways:	Notch Signaling , Stem Cell Maintenance

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

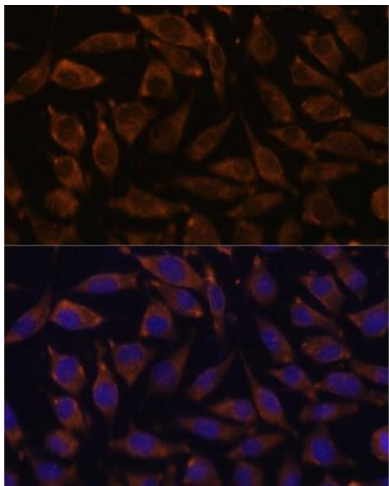
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

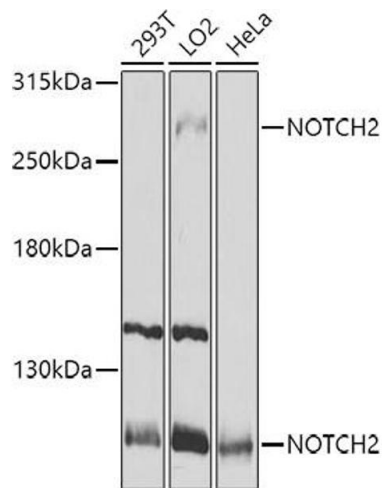
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using NOTCH2 antibody (ABIN6132419, ABIN6144736, ABIN6144737 and ABIN6213887) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NOTCH2 antibody (ABIN6132419, ABIN6144736, ABIN6144737 and ABIN6213887) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.