Datasheet for ABIN6144740

anti-NOTCH4 antibody (AA 1824-2003)

2 Images

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Overview

Quantity:	100 µL
Target:	NOTCH4
Binding Specificity:	AA 1824-2003
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1824-2003 of human NOTCH4 (NP_004548.3).
Sequence:	PPEARHKATP GREAGPFPRA RTVSVSVPPH GGGALPRCRT LSAGAGPRGG GACLQARTWS VDLAARGGGA YSHCRSLSGV GAGGGPTPRG RRFSAGMRGP RPNPAIMRGR YGVAAGRGGR VSTDDWPCDW VALGACGSAS NIPIPPPCLT PSPERGSPQL DCGPPALQEM PINQGGEGKK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NOTCH4

Target Details

Alternative Name:	NOTCH4 (NOTCH4 Products)
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 may play a role in vascular, renal and hepatic development. Mutations in this gene may be associated with schizophrenia. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed.,NOTCH4,INT3,notch 4,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,Cell Biology & Developmental Biology,Notch Signaling Pathway,ESC Pluripotency and Differentiation,Stem Cells,Cardiovascular,Angiogenesis,Heart,Cardiogenesis,NOTCH4
Molecular Weight:	39 kDa/61 kDa/209 kDa
Gene ID:	4855
UniProt:	Q99466
Pathways:	Notch Signaling

Application Details

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

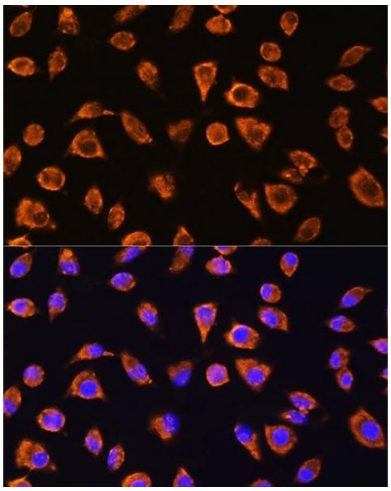
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

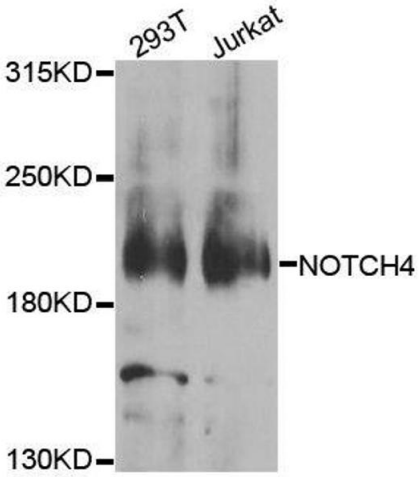
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using NOTCH4 Rabbit pAb (ABIN6132420, ABIN6144740, ABIN6144741 and ABIN6224315) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using NOTCH4 antibody.

