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# Datasheet for ABIN3023484 anti-NOTCH3 antibody

3 Images

1 Publication



### Overview

Quantity:	100 µL
Target:	NOTCH3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOTCH3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	A synthetic peptide of human NOTCH3
lsotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	NOTCH3
Alternative Name:	NOTCH3 (NOTCH3 Products)
Background:	This gene encodes 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

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## Target Details

	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).,NOTCH3,CADASIL,CADASIL1,CASIL,IMF2,LMNS,notch 3,Epigenetics & Nuclear
	Signaling,Transcription Factors,Signal Transduction,Cell Biology & Developmental Biology,Cell
	Cycle,Cell differentiation,Notch Signaling Pathway,ESC Pluripotency and
	Differentiation,Neuroscience,Stem Cells,Hematopoietic Progenitors,Neural Stem
	Cells,Cardiovascular,Heart,Cardiogenesis,NOTCH3
Molecular Weight:	243 kDa
Gene ID:	4854
UniProt:	Q9UM47
Pathways:	Notch Signaling
Application Details	
Application Notes:	WB,1:200 - 1:1000,IF,1:50 - 1:200
Restrictions:	For Research Use only
Handling	
 Buffer	PBS with 0.02 % sodium azide 50 % alveeral pH 7.3
buildt.	
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.
Publications	
Product cited in:	Zhou, Jiang, Dong, Yan, You, Su, Gong: "The proteins interacting with C-terminal of $\mu$ receptor
	are identified by bacterial two-hybrid system from brain cDNA library in morphine-dependent
	rats." in: <b>Life sciences</b> , Vol. 143, pp. 156-67, (2016) (PubMed).







#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using NOTCH3 antibody.

#### Immunohistochemistry

Image 2.

#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of SW480 cells showing nuclear and cytoplasmic localization with NOTCH3 antibody 1:200 (top,red)..

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