Datasheet for ABIN768617

anti-NOTCH4 antibody (AA 1261-1273)

2 Images

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Overview

Quantity:	100 µg
Target:	NOTCH4
Binding Specificity:	AA 1261-1273
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NOTCH4 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Purpose:	NOTCH4 (aa1261-1273)
Immunogen:	Peptide with sequence DHFHNGHCEKGCNN, from the internal region of the protein sequence according to NP_004548.3.
Sequence:	DHFHNGHCEK GCNN
Isotype:	IgG
Specificity:	The immunizong peptide represents part of the extracellular domain.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

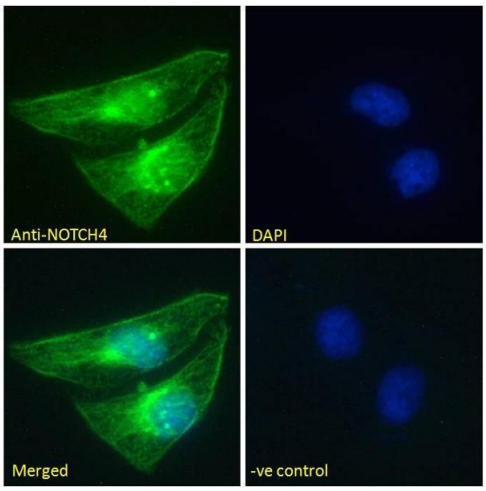
Target:	NOTCH4
Alternative Name:	NOTCH4 (NOTCH4 Products)
Background:	NOTCH4, DAQB-143M3.4, FLJ16302, INT3, MGC74442, NOTCH3, Notch homolog 4, neurogenic locus notch homolog protein 4
Molecular Weight:	27kDa
Gene ID:	4855, 18132, 406162
NCBI Accession:	NP_004548
Pathways:	Notch Signaling

Application Details

Application Notes:	Western Blot: Preliminary experiments gave an approx 27 kDa band in all human, mouse and rat tissue and cell line lysates tested after 1 µg/mL antibody staining. Please note that currently we cannot find an explanation in the literature for the band we ob Peptide ELISA: antibody detection limit dilution 1:8000.
Comment:	**Immunofluorescence:** Strong expression of the protein seen in the nuclei and membranes of HeLa cells, and in the membranes of NIH3T3 cells. Recommended concentration: 10µg/ml.
Restrictions:	For Research Use only

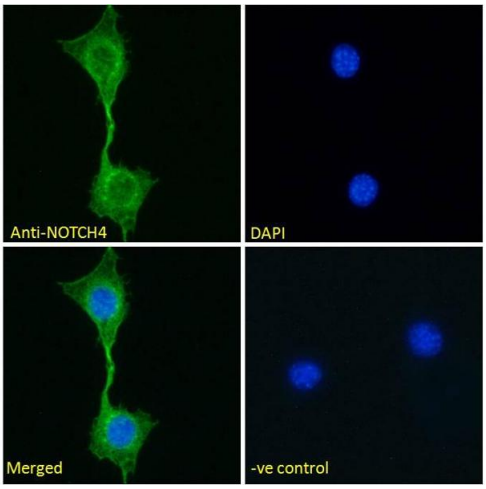
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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 Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Immunofluorescence

Image 1. ABIN768617 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and nuclear staining. The nuclear stain i



Immunofluorescence

Image 2. ABIN768617 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (bl