A0929

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NOTCH3 Rabbit pAb

Catalog No.: A0929

Basic Information

Observed MW
Refer to figures

Calculated MW
244kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Mouse,Rat

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 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).

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
4854

Swiss Prot
Q9UM47

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 751-850 of human NOTCH3 (NP_000426.2).

Synonyms
IMF2; LMNS; CASIL; CADASIL; CADASIL1; NOTCH3

Contact

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Product Information

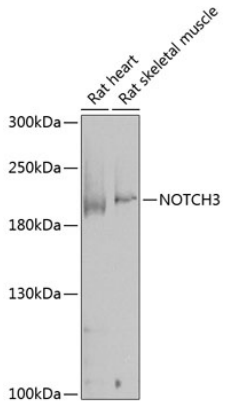
Source
Rabbit

Isotype
IgG

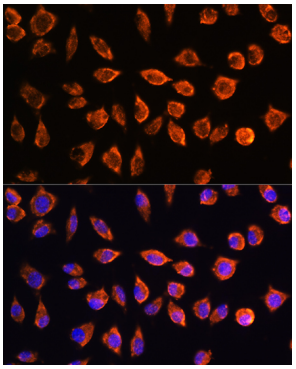
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using NOTCH3 antibody (A0929) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 15s.



Immunofluorescence analysis of L929 cells using NOTCH3 Rabbit pAb (A0929) at dilution of 1:100. Blue: DAPI for nuclear staining.