

Notch1 Rabbit pAb

Catalog No.: A7636

6 Publications

Basic Information

Observed MW

300kDa

Calculated MW

273kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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 plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

4851

Swiss Prot

P46531

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 2456-2555 of human Notch1 (NP_060087.3).

Synonyms

hN1; AOS5; TAN1; AOVD1; Notch1

Contact

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	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

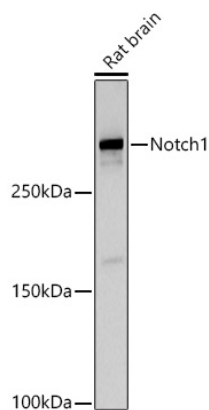
Affinity purification

Storage

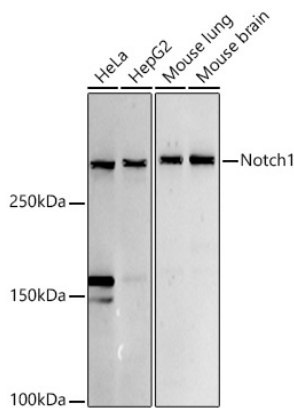
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

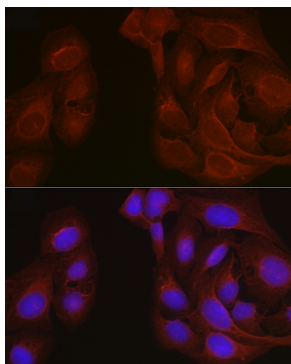
Validation Data



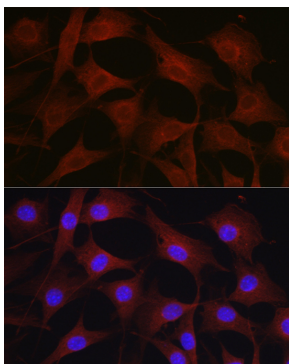
Western blot analysis of extracts of Rat brain cells, using Notch1 antibody (A7636) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



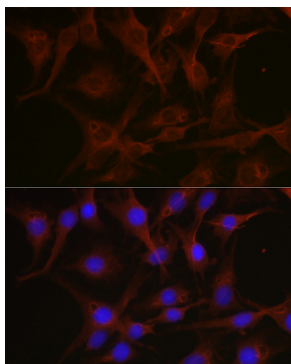
Western blot analysis of extracts of various cell lines, using Notch1 antibody (A7636) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



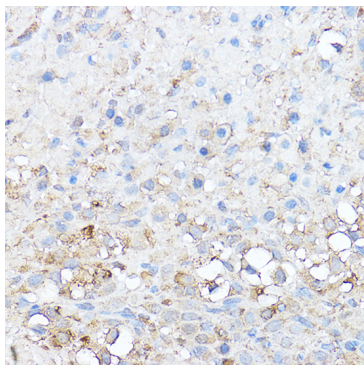
Immunofluorescence analysis of U2OS cells using Notch1 antibody (A7636) at dilution of 1:100. Blue: DAPI for nuclear staining.



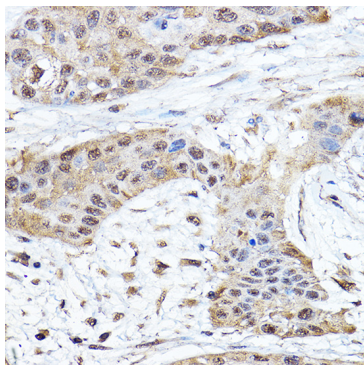
Immunofluorescence analysis of NIH/3T3 cells using Notch1 antibody (A7636) at dilution of 1:100. Blue: DAPI for nuclear staining.



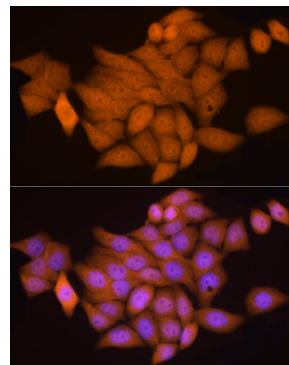
Immunofluorescence analysis of C6 cells using Notch1 antibody (A7636) at dilution of 1:100. Blue: DAPI for nuclear staining.



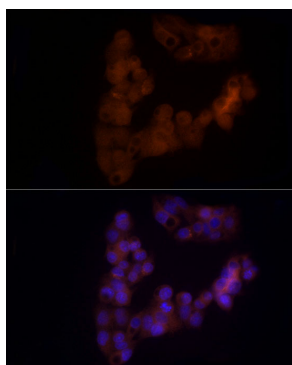
Immunohistochemistry analysis of paraffin-embedded rat ovary using Notch1 Rabbit pAb (A7636) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



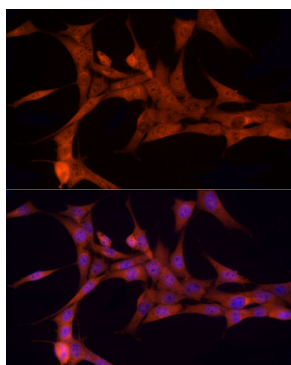
Immunohistochemistry analysis of paraffin-embedded human esophageal cancer using Notch1 Rabbit pAb (A7636) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



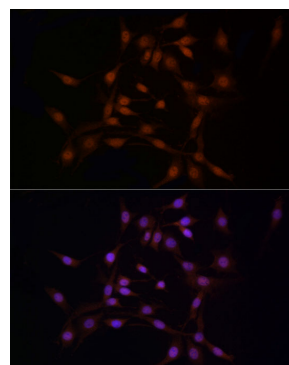
Immunofluorescence analysis of HeLa cells using Notch1 Rabbit pAb (A7636) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 cells using Notch1 Rabbit pAb (A7636) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Notch1 Rabbit pAb (A7636) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Notch1 Rabbit pAb (A7636) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.