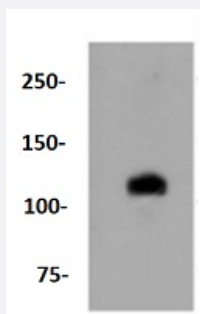


RecomAb™

NOTCH1 recombinant monoclonal antibody

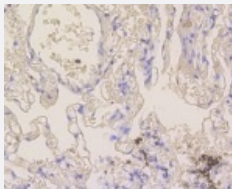
Catalog # RAB02732 Size 100 uL

Applications



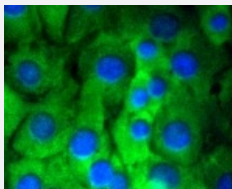
Western Blot (Cell lysate)

Western blot analysis of Lane1:HepG2 whole cell lysate with NOTCH1 recombinant monoclonal antibody (Cat # RAB02732) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung tissue using NOTCH1 recombinant monoclonal antibody (Cat # RAB02732). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of NIH/3T3 cells using NOTCH1 recombinant monoclonal antibody (Cat # RAB02732)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against NOTCH1.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant NOTCH1.
Theoretical MW (kDa)	110
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of Notch 1 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunofluorescence
- Flow Cytometry

Gene Info — NOTCH1

Entrez GeneID [4851](#)

Protein Accession# [P46531](#)

Gene Name NOTCH1

Gene Alias TAN1, hN1

Gene Description Notch homolog 1, translocation-associated (Drosophila)

Omim ID [109730](#) [190198](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a member of the Notch family. Members of this Type 1 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 family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In Drosophila, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play multiple roles during development. [provided by RefSeq]

Other Designations OTTHUMP00000022594|neurogenic locus notch homolog protein 1|notch1|translocation-associated notch protein TAN-1

Pathway

- [Dorso-ventral axis formation](#)
- [Notch signaling pathway](#)
- [Prion diseases](#)

Disease

- [Alzheimer disease](#)
- [Birth Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Multiple Myeloma](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Precursor T-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Schizophrenia](#)