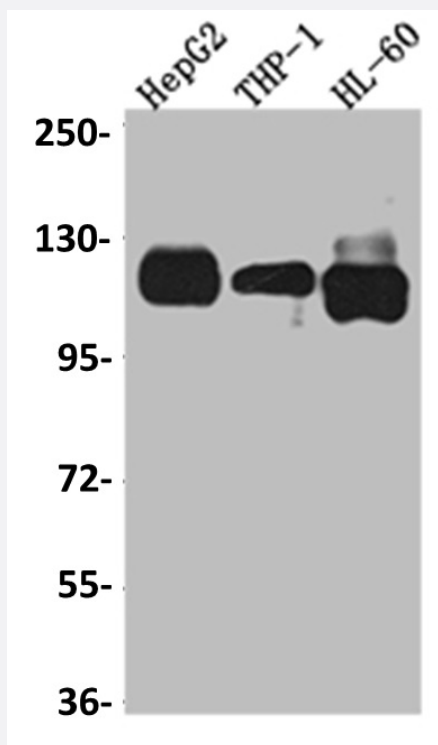


RecomAb™

NOTCH1 recombinant monoclonal antibody, clone 4F6

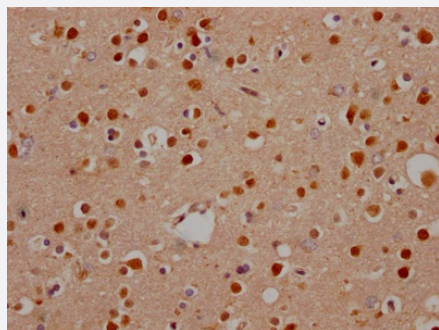
Catalog # RAB07443 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 whole cell lysate, THP-1 whole cell lysate, HL-60 whole cell lysate with NOTCH1 recombinant monoclonal antibody, clone 4F6 (Cat # RAB07443).



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using NOTCH1 recombinant monoclonal antibody, clone 4F6 (Cat # RAB07443) on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Specification

| | |
|-----------------------------|---|
| Product Description | Rabbit recombinant monoclonal antibody raised against human NOTCH1. |
| Antibody Species | Rabbit |
| Immunogen | Original antibody is raised against a synthetic peptide corresponding to human NOTCH1. |
| Theoretical MW (kDa) | Calculated MW: 273 |
| Reactivity | Human |
| Form | Liquid |
| Purification | Affinity chromatography purification |
| Isotype | IgG |
| Recommend Usage | ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| Storage Instruction | Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing. |
| 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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- Enzyme-linked Immunoabsorbent Assay

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 homologue 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](#)