

# Anti-Notch1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

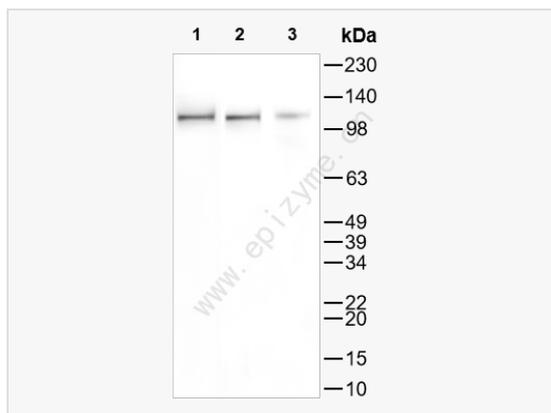
Catalog # M900040

## Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	61A89Q41
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Notch1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Notch1 Mouse mAb [61A89Q41] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	NOTCHI; TAN1; Neurogenic locus notch homolog protein 1; Notch 1; hN1; Translocation-associated notch protein TAN-1.
Calculated MW	Calculated MW: 272 kDa; Observed MW: 110-120 kDa
Uniprot ID	P46531
Gene ID	4851
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. [provided by RefSeq, Jan 2016]
Cellular Location	Cell membrane; Single-pass type I membrane protein Late endosome membrane; Single-pass type I membrane protein Note: Non-activated receptor is targeted for lysosomal degradation via the endosomal pathway; transport from late endosomes to lysosomes requires deubiquitination by USP12. Notch 1 intracellular domain Nucleus Note: Following proteolytical processing NICD is translocated to the nucleus. Nuclear location may require MEGF10.



Western Blot - Anti-Notch1 Mouse mAb [61A89Q41]

All lanes: M900040 at 1:1,000 dilution

Lane 1: THP-1 (Human monocytic leukemia cell) whole cell lysates

Lane 2: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 3: Rat spleen whole tissue lysates

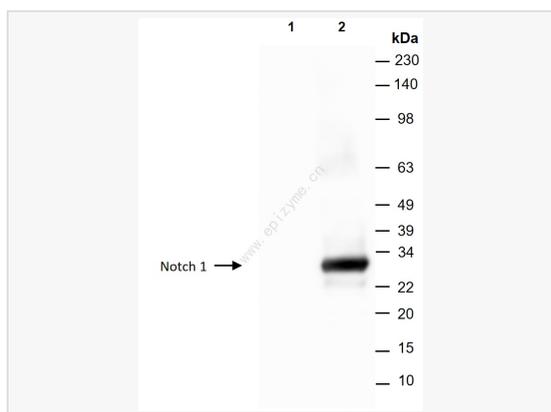
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 272 kDa

Observed band size: 110-120 kDa

Developed using the ECL technique (Cat. No. SQ201).



Western Blot - Anti-Notch1 Mouse mAb [61A89Q41]

All lanes: M900040 at 1:1,000 dilution

Lane 1: Whole-cell lysates of 293T cells

Lane 2: Lysates from 293T cells overexpressing GFP-Flag-Notch1 (P1879-N2117)

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa

Developed using the ECL technique (Cat. No. SQ201).