

Product datasheet for **TA319200**

NOTCH1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:20,000 - 1:60,000, WB: 1:500- 1:2,000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This whole rabbit serum was prepared by repeated immunizations with a synthetic peptide corresponding to amino acid residues of human Notch 1 located near the N-terminal sequence of the cleaved N intracellular domain (NICD).
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	notch 1
Database Link:	NP_060087 Entrez Gene 18128 Mouse Entrez Gene 25496 Rat Entrez Gene 4851 Human P46531
Synonyms:	AOS5; AOVD1; hN1; TAN1
Note:	Anti Notch 1 Antibody recognizes Notch 1 that is synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furin-like convertase (S1 cleavage) in the trans-golgi network before it reaches the plasma membrane to yield an active, ligand-accessible form. Cleavage results in a C-terminal fragment N(TM) and a N-terminal fragment N(EC). Following ligand binding, it is cleaved (S2 cleavage) by TNF-alpha converting enzyme (TACE) to yield a membrane-associated intermediate fragment called Notch extracellular truncation (NEXT). This fragment is then cleaved by presenilin-dependent gamma-secretase (S3 cleavage) to release the intracellular domain (NICD) from the membrane.

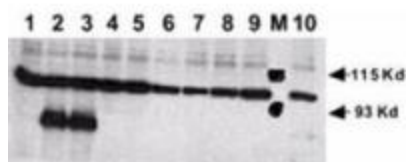


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Protein Families: Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway

Protein Pathways: Dorso-ventral axis formation, Notch signaling pathway, Prion diseases

Product images:



Anti-Human NOTCH 1 (Cleaved N Terminal) was used at 1:500 to detect mouse Notch 1. Lane M: Marker. Lane 1: No transfection. Lane 2: N1 (mouse deleted extracellular domain)-myc. Lane 3: N1 (mouse intracellular)-myc. Lane 4: N2 (mouse deleted extracellular)-myc. Lane 5: N2 (mouse intracellular)-myc. Lane 6: N3 (mouse deleted extracellular)-myc. Lane 7: N3 (mouse intracellular)-myc. Lane 8: N4 (mouse deleted extracellular)-myc. Lane 9: N4 (mouse intracellular)-myc. Lane 10: N1 (mouse deleted extracellular) (V to G)-myc.