

Product datasheet for **AM60030PU-N**

NOTCH1 (20-216, Extracell. Dom.) Mouse Monoclonal Antibody [Clone ID: S253-32]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S253-32
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/1000. 1 µg/ml of this antibody was sufficient for detection of NOTCH1 in 20µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG-HRP as the secondary antibody. Immunocytochemistry.
Reactivity:	Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein, amino acids 20- 216 (extracellular N-terminus, EGFlke domains 1-5) of mouse NOTCH1
Specificity:	This antibody detects NOTCH1 (aa20-216); >270kDa, ~120kDa and small fragments due to proteolysis. Does not cross-react with NOTCH2 or NOTCH3.
Formulation:	PBS pH 7.4, 50% Glycerol State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium azide
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	notch 1



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Database Link: [Entrez Gene 18128 Mouse Q01705](#)

Background: Notch is synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furinlike 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 Cterminal 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.

Synonyms: Notch 1, hN1, TAN1