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# anti-Notch1 antibody (AA 2101-2300)

2 Images



Publication



Go to Product page

#### Overview

Quantity:	100 μL
Target:	Notch1 (NOTCH1)
Binding Specificity:	AA 2101-2300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Notch1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human Notch1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

# **Target Details**

Target:	Notch1 (NOTCH1)
Alternative Name:	Notch1/MOTC (NOTCH1 Products)

#### Target Details

Background:

Synonyms: hN1, AOS5, TAN1, AOVD1, Neurogenic locus notch homolog protein 1, Notch 1, Translocation-associated notch protein TAN-1, NOTCH1

Background: Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs. Involved in angiogenesis, negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Involved in the maturation of both CD4+ and CD8+ cells in the thymus. Important for follicular differentiation and possibly cell fate selection within the follicle. During cerebellar development, functions as a receptor for neuronal DNER and is involved in the differentiation of Bergmann glia. Represses neuronal and myogenic differentiation. May play an essential role in postimplantation development, probably in some aspect of cell specification and/or differentiation. May be involved in mesoderm development, somite formation and neurogenesis. May enhance HIF1A function by sequestering HIF1AN away from HIF1A. Required for the THBS4 function in regulating protective astrogenesis from the subventricular zone (SVZ) niche after injury. Involved in determination of left/right symmetry by modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO).

Gene ID:

4851

UniProt:

P46531

Pathways:

Notch Signaling, Stem Cell Maintenance, Regulation of Muscle Cell Differentiation, Tube Formation, Skeletal Muscle Fiber Development

## **Application Details**

Application Notes:

WB 1:300-5000

ELISA 1:500-1000

FCM 1:20-100

IHC-P 1:200-400

IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

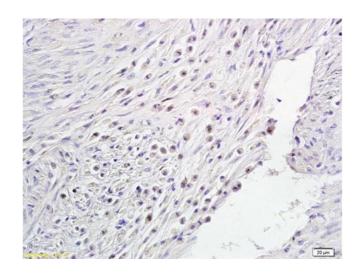
Restrictions:

For Research Use only

# Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Wang, Fan, Xu, Zhao: "Prognostic implication of NOTCH1 in early stage oral squamous cell

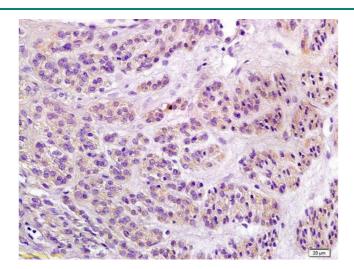
# **Images**



### **Immunohistochemistry**

cancer with occult metastases." in: Clinical oral investigations, (2017) (PubMed).

**Image 1.** Formalin-fixed and paraffin embedded human endometrial cancer labeled with Anti-Notch1/MOTC Polyclonal Antibody, Unconjugated (ABIN675114) followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human endometrial carcinoma labeled with Anti-Notch1/MOTC Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining