

Rabbit Anti-Notch1 [MD36R]: RM0339, RM0339RTU7

Intended Use: For Research Use Only

Description: Notch proteins (Notch1-4) are a family of transmembrane receptors that play important roles in development and the determination of cell fate. Mature Notch receptors are processed and assembled as heterodimeric proteins, with each dimer comprised of a large extracellular ligand-binding domain, a single-pass transmembrane domain, and a smaller cytoplasmic subunit (Notch intracellular domain, NICD). Binding of Notch receptors to ligands of the Delta-Serrate-Lag2 (DSL) family triggers heterodimer dissociation, exposing the receptors to proteolytic cleavages; these result in release of the NICD, which translocates to the nucleus and activates transcription of downstream target genes.

Specifications

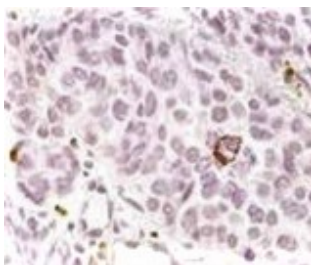
Clone:	MD36R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, mouse, rat
Localization:	Membrane, nucleus
Formulation:	Antibody in PBS pH6.0, containing BSA and $\leq 0.09\%$ sodium azide (NaN ₃)
Storage:	Store at 2°- 8°C
Applications:	IHC, CHIP, IP, WB
Package:	

Description	Catalog No.	Size
Notch1 Concentrated	RM0339	1 ml
Notch1 Prediluted	RM0339RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Fetal lung
Concentrated Dilution:	50-100
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human breast cancer stained with anti-Notch1 using DAB

References:

1. Aryl hydrocarbon receptor activation maintained the intestinal epithelial barrier function through Notch1 dependent signaling pathway. Liu, Z., et al. International Journal of Molecular Medicine. 1 March 2018.
2. Area-Specific Regulation of Quiescent Neural Stem Cells by Notch3 in the Adult Mouse Subependymal Zone. Kawai, H., et al. Journal of Neuroscience. December 2017.
3. Molecular heterogeneity of glioblastomas: does location matter? Denicola E, et al. Oncotarget 7:902-13, 2016.