

Immunotag™ Notch 1 (Cleaved-Val1744) Antibody

Antibody Specification	
Catalog No.	ITA1479
Product Description	Immunotag™ Notch 1 (Cleaved-Val1744) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Notch 1 (Cleaved-Val1744)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000,IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human Notch 1 (Cleaved-Val1744)
Specificity	Notch 1 (Cleaved-Val1744) Antibody detects endogenous levels of total Notch 1 (Cleaved-Val1744)
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	NOTCH1
Accession No.	P46531
Alternate Names	9930111A19Rik; AOS5; AOVD1; hN1; Lin-12; LIN12; Mis6; Motch A; mT14; Neurogenic locus notch homolog protein 1; Neurogenic locus notch protein homolog; NICD; NOTC1_HUMAN; Notch 1; Notch 1 intracellular domain; NOTCH; Notch gene homolog 1 (Drosophila); Notch homolog 1, translocation-associated (Drosophila); NOTCH, Drosophila, homolog of, 1; notch1; TAN1; Translocation associated notch homolog; Translocation associated notch protein TAN 1; Translocation-associated notch protein TAN-1; xotch;

Antibody Specification

Description	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 astrocytogenesis 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	95 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.