

Cleaved Notch 2 (Val1697) Rabbit pAb

CatalogNo: YC0070

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 110(cleaved)kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human NOTCH2. AA range: 1678-1727

Specificity

Cleaved-Notch 2 (V1697) Polyclonal Antibody detects endogenous levels of fragment of activated Notch 2 protein resulting from cleavage adjacent to V1697.

Target Information

Gene name	NOTCH2		
Protein Name	Neurogenic locus notch homolog protein 2		
	Organism	Gene ID	UniProt ID
	Human	4853 ;	Q04721 ;
	Mouse	18129 ;	Q35516 ;
	Rat	29492 ;	Q9QW30 ;
Cellular Localization	[Notch 2 extracellular truncation]: Cell membrane ; Single-pass type I membrane protein .; [Notch 2 intracellular domain]: Nucleus . Cytoplasm . Following proteolytical processing NICD is translocated to the nucleus. Retained at the cytoplasm by TCIM (PubMed:25985737). .		
Tissue specificity	Expressed in the brain, heart, kidney, lung, skeletal muscle and liver. Ubiquitously expressed in the embryo.		
Function	Disease:Defects in NOTCH2 are the cause of Alagille syndrome type 2 (ALGS2) [MIM:610205]. Alagille syndrome is an autosomal dominant multisystem disorder defined clinically by hepatic bile duct paucity and cholestasis in association with cardiac, skeletal, and ophthalmologic manifestations. There are characteristic facial features and less frequent clinical involvement of the renal and vascular systems.,Function: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 RBP-J kappa and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs.,PTM:Phosphorylated.,PTM:Synthesized in the endoplasmic reticulum as an inactive form which is proteolytically cleaved by a furin-like convertase 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 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 to release a notch-derived peptide containing the intracellular domain (NICD) from the membrane.,similarity:Belongs to the NOTCH family.,similarity:Contains 3 LNR (Lin/Notch) repeats.,similarity:Contains 35 EGF-like domains.,similarity:Contains 6 ANK repeats.,subcellular location:Following proteolytical processing NICD is translocated to the nucleus.,subunit:Heterodimer of a C-terminal fragment N(TM) and an N-terminal fragment N(EC) which are probably linked by disulfide bonds (By similarity). Interacts with MAML1, MAML2 and MAML3 which act as transcriptional coactivators for NOTCH2.,tissue specificity:Expressed in the brain, heart, kidney, lung, skeletal muscle and liver.,		

| Validation Data

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
**Cleaved Notch 2
(Val1697) Rabbit
pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)