

## Rabbit Notch 2 Polyclonal Antibody | anti-NOTCH2 antibody

Notch 2 (Cleaved-Asp1733) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA321951 | Rabbit | Human, Mouse, Rat | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

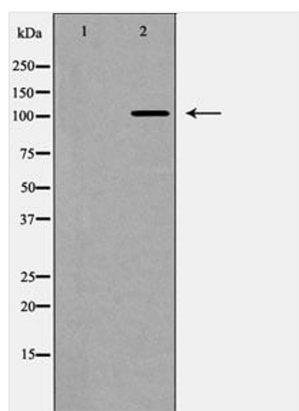
### PRODUCT SYNONYMS

Notch 2; Polyclonal Antibody; Notch 2 (Cleaved-Asp1733) Antibody; AGS2; hN2; Notch homolog 2; Notch2; anti-NOTCH2 antibody

### PRODUCT SPECIFICATIONS

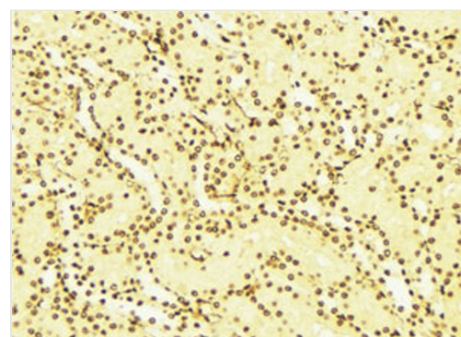
|                                                  |                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                          |
| Reactivity                                       | Human, Mouse, Rat                                                                               |
| Clonality                                        | Polyclonal                                                                                      |
| Isotype                                          | IgG                                                                                             |
| Specificity                                      | Notch 2 (Cleaved-Asp1733) antibody detects endogenous levels of total Notch 2 (Cleaved-Asp1733) |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.   |
| Form/Format                                      | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.             |
| Concentration                                    | 1mg/ml (varies by lot)                                                                          |
| Applicable Applications for anti-NOTCH2 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                   |
| Immunogen                                        | A synthesized peptide derived from human Notch 2 (Cleaved-Asp1733)                              |
| Preparation and Storage                          | Store at -20°C.                                                                                 |

### IMAGES



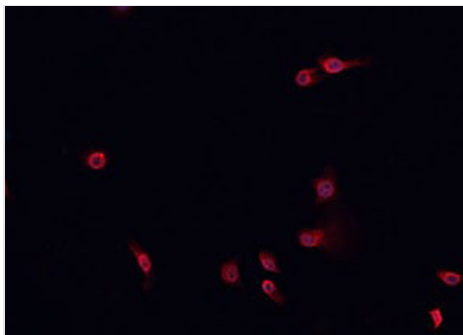
#### WB (Western Blot)

Western blot analysis of Notch 2 (Cleaved-Asp1733) expression in 293 cell extract treated with TNF-alpha. The lane on the left is treated with the antigen-specific peptide.



#### IHC (Immunohistochemistry)

AAA321951 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA321951 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-NOTCH2 antibody

Description: 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 Nterminal fragment N(EC)

Similarity: Belongs to the NOTCH family.

### NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 317008611                                                     |
| NCBI GeneID                      | 4853                                                          |
| NCBI Accession #                 | NP_001186930.1                                                |
| NCBI GenBank Nucleotide #        | NM_001200001.1                                                |
| UniProt Accession #              | Q04721; Q5T3X7; Q99734; Q9H240                                |
| Molecular Weight                 | 110 kDa                                                       |
| NCBI Official Full Name          | neurogenic locus notch homolog protein 2 isoform 2            |
| NCBI Official Synonym Full Names | notch 2                                                       |
| NCBI Official Symbol             | NOTCH2                                                        |
| NCBI Official Synonym Symbols    | hN2; AGS2; HJCYS                                              |
| NCBI Protein Information         | neurogenic locus notch homolog protein 2                      |
| UniProt Protein Name             | Neurogenic locus notch homolog protein 2                      |
| UniProt Gene Name                | <b>NOTCH2</b>                                                 |
| UniProt Synonym Gene Names       | N2ICD1 PublicationManual assertion based on opinion iniRef.20 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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