Anti-NOTCH 2 Antibody

CATALOG NO: A1652-100

ALTERNATIVE NAMES: Neurogenic locus notch homolog protein 2; Notch 2; hN2

AMOUNT: 100 µl

IMMUNOGEN: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NOTCH2

HOST/ISOTYPE: Rabbit IgG

CLONALITY: Polyclonal

SPECIFICITY: Recognizes endogenous levels of NOTCH2 protein

SPECIES REACTIVITY: Human, Rat

PURIFICATION: The antibody was purified by affinity chromatography

FORM: Liquid

FORMULATION: Supplied in 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol and 0.01% sodium azide

STORAGE CONDITIONS: Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

DESCRIPTION: Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) 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 bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL-induced osteoclast differentiation. Positively regulates self-renewal of liver cancer cells.

APPLICATION: WB; 1:500 – 1:1000, IH; 1:100 – 1:200

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

A **B**

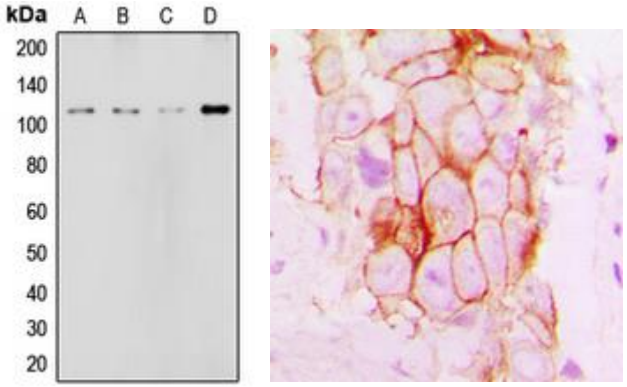

Fig. A. Western blot analysis of NOTCH2 expression in HeLa (A); MCF7 (B); rat liver (C); NIH3T3 (D) whole cell lysates

Fig. B. IHC analysis of NOTCH2 staining in human breast cancer

RELATED PRODUCTS:

- Anti-NOTCH 3 Antibody **(Cat. No. A1653)**
- Anti-NR2E1 Antibody **(Cat. No. A1654)**
- Anti-Nucleostemin Antibody **(Cat. No. A1655)**
- Anti-OLIG2 Antibody **(Cat. No. A1656)**
- Anti-PAX3 Antibody **(Cat. No. A1657)**
- Anti-PLAGL1 Antibody **(Cat. No. A1658)**
- Anti- S100B Antibody **(Cat. No. A1659)**
- Anti-SLUG Antibody **(Cat. No. A1660)**

FOR RESEARCH USE ONLY! Not to be used on humans.