

Notch 1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251991

Unit: 0.1 mg

Description:

Neurogenic locus notch homolog protein 1 (Notch 1) 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), Notch 1 forms a transcriptional activator complex with RBP-J kappa and activates genes of the enhancer of split locus. Notch 1 affects the implementation of differentiation, proliferation and apoptotic programs. Defects in Notch 1 are a cause of bicuspid aortic valve (BAV), a common defect in the aortic valve in which two rather than three leaflets are present. It is often associated with aortic valve calcification and insufficiency. In extreme cases, the blood flow may be so restricted that the left ventricle fails to grow, resulting in hypoplastic left heart syndrome.

Isotype: Rabbit Ig

Applications: E, IHC

Species Reactivity: H, M, R

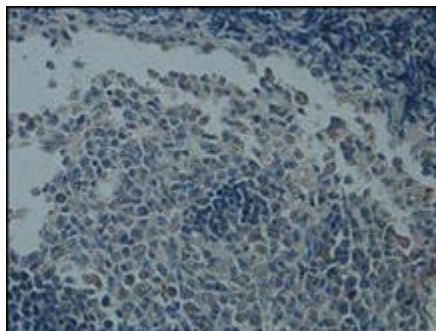
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Neurogenic locus notch homolog protein 1; Notch 1; hN1; Translocation-associated notch protein TAN-1; NOTCH1; TAN1

Accession No.: P46531

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Notch 1.

Application Notes: E: 1:1,000-1:10,000; IHC: 1:100-1:500



Notch 1 staining in human breast carcinoma. Paraffin-embedded human breast carcinoma is stained with North 1 Antibody (Cat. No.251991) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.