Datasheet for ABIN7319906

NOTCH2 Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	NOTCH2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOTCH2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Notch2 (C-6His)
Sequence:	Leu26-Gln530
Characteristics:	Recombinant Human Neurogenic Locus Notch Homolog Protein 2 is produced by our Mammalian expression system and the target gene encoding Leu26-Gln530 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NOTCH2
Alternative Name:	Notch2 (NOTCH2 Products)
Background:	Background: Notch-2 is a 300 kDa type I transmembrane glycoprotein that is one of four human Notch homologues involved in developmental processes. Functions as a receptor for

Target Details

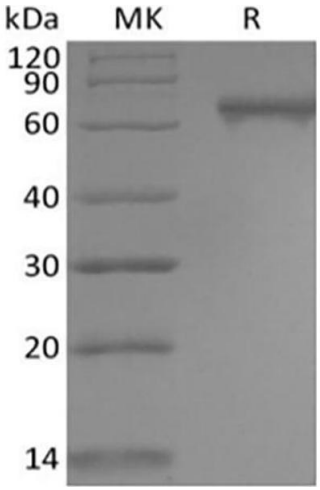
	membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Human Notch-2 ECD (aa 26-530) shows 93 % , 93 %, 96 % and 96 % aa identity with the corresponding regions of mouse, rat, canine, and bovine Notch-2, respectively. Hajdu Cheney Syndrome (HCS) is a rare disease associated with mutations of NOTCH2 that lead to the translation of a truncated, presumably stable, NOTCH2 protein. NOTCH2 is down-regulated in colon cancer, and reduced expression is associated with a less differentiated, more aggressive phenotype, and reduced overall survival. NOTCH2 has also been shown to have pro-apoptotic and growth suppressive effects in thyroid carcinoma, and carcinoid tumors. NOTCH2 acts as an oncogene that promotes bladder cancer growth and metastasis through EMT, cell-cycle progression, and maintenance of stemness. Synonym: AGS2, hN2, Notch homolog 2, Notch2, Notch-2, HJCYS
Molecular Weight:	54.9 kDa
UniProt:	Q04721
Pathways:	Notch Signaling, Stem Cell Maintenance

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

