Datasheet for ABIN1344244

NOTCH2 Protein (AA 26-494, Extracellular Domain) (Fc Tag)

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Overview

Quantity:	50 µg
Target:	NOTCH2
Protein Characteristics:	Extracellular Domain, AA 26-494
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOTCH2 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to mouse DLL1 and DLL4.
Cross-Reactivity:	Mouse (Murine)
Characteristics:	The extracellular domain of mouse Notch2 (aa 26-494) (12 epidermal growth factor-like (EGF) repeats) is fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	NOTCH2
Alternative Name:	Notch2 (NOTCH2 Products)

Target Details

Background:	Notch signaling pathway regulates many different cell fate decisions in both vertebrate and invertebrate species. There are 5 canonical Notch ligands in mammals: Jagged-1, Jagged-2, DLL1, DLL3 and DLL4. These can bind to the four Notch receptors Notch 1-4. It is important for pattern formation during development such as neurogenesis, angiogenesis or myogenesis and regulates T cell development and stem cell maintenance. Notch signaling is also involved in cellular processes through-out adulthood. Signaling via Notch occurs between neighbouring cells and both the receptor and its ligands are transmembrane proteins.
Molecular Weight:	~87kDa (SDS-PAGE)
UniProt:	O35516
Pathways:	Notch Signaling, Stem Cell Maintenance

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 50 µL sterile water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

Publications

Product cited in:	Cao, Ye, Zhang, Zhu, Wang, Yao: "A multiplex model of combining gene-based, protein-based, and metabolite-based with positive and negative markers in urine for the early diagnosis of prostate cancer." in: **The Prostate**, Vol. 71, Issue 7, pp. 700-10, (2011) (PubMed).

Schostak, Schwall, Poznanovi?, Groebe, Müller, Messinger, Miller, Krause, Pelzer, Horninger, Klocker, Hennenlotter, Feyerabend, Stenzl, Schrattenholz: "Annexin A3 in urine: a highly specific noninvasive marker for prostate cancer early detection." in: **The Journal of urology**, Vol. 181, Issue 1, pp. 343-53, (2008) (PubMed).

Wozny, Schroer, Schwall, Poznanovi?, Stegmann, Dietz, Rogatsch, Schaefer, Huebl, Klocker, Schrattenholz, Cahill: "Differential radioactive quantification of protein abundance ratios between benign and malignant prostate tissues: cancer association of annexin A3." in: **Proteomics**, Vol. 7, Issue 2, pp. 313-22, (2007) (PubMed).