

Recombinant Human NOTCH3 protein ab114234

1 图像

描述	
产品名称	重组人NOTCH3蛋白
表达系统	Wheat germ
Accession	<u>Q9UM47</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	SPCANGGRCTQLPSREAACLCPPGWWGERCQLEDPCHSGPCA GRGVCQSS VVAGTARFSCRCPRGFRGPDCSLPD PCLSSPCAHGARCSVGPDGRFLC SCPPGYQGRSCR
预测分子量	38 kDa including tags
氨基酸	47 to 156

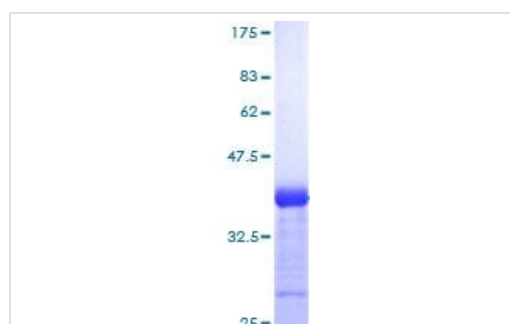
技术指标	
Our Abpromise guarantee covers the use of ab114234 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	ELISA SDS-PAGE Western blot
形式	Liquid
补充说明	

制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能	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) 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.
组织特异性	Ubiquitously expressed in fetal and adult tissues.
疾病相关	Defects in NOTCH3 are the cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL) [MIM:125310]. CADASIL causes a type of stroke and dementia of which key features include recurrent subcortical ischemic events and vascular dementia. The disorder affects relatively young adults of both sexes. Mutations affect highly conserved cysteine residues within epidermal growth factor (EGF)-like repeat domains in the extracellular part of the receptor.
序列相似性	Belongs to the NOTCH family. Contains 5 ANK repeats. Contains 34 EGF-like domains. Contains 3 LNR (Lin/Notch) repeats.
翻译后修饰	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 N-terminal fragment N(EC). Following ligand binding, it is cleaved by TNF-alpha converting enzyme (TACE) to yield a membrane-associated intermediate fragment called notch extracellular truncation (NEXT). This fragment is then cleaved by presenilin dependent gamma-secretase to release a notch-derived peptide containing the intracellular domain (NICD) from the membrane. Phosphorylated.
细胞定位	Cell membrane and Nucleus. Following proteolytical processing NICD is translocated to the nucleus.

图片



SDS-PAGE - Recombinant Human NOTCH3 protein
(ab114234)

12.5% SDS-PAGE showing ab114234 at approximately 37.73kDa stained with Coomassie Blue.

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