

产品名称: NOTCH2 Mouse Monoclonal Antibody
产品货号: AMM82922



产品概述 (Summary)

产品名称 (Production Name)	NOTCH2 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NOTCH2
别名 (Alternative Names)	hN2; AGS2; HJCYS
基因 ID (Gene ID)	4853.0
蛋白 ID (SwissProt ID)	Q04721 .Purified recombinant fragment of human NOTCH2 (AA: extra 1391-1677) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:50-1:200, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	265.4kDa

研究背景 (Background)

This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural

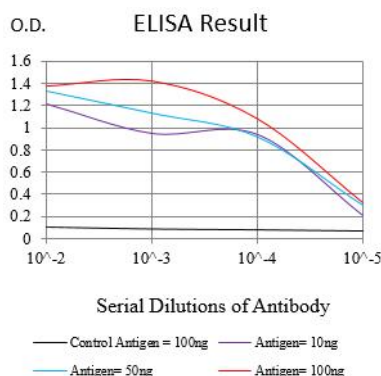
产品名称: NOTCH2 Mouse Monoclonal Antibody
产品货号: AMM82922



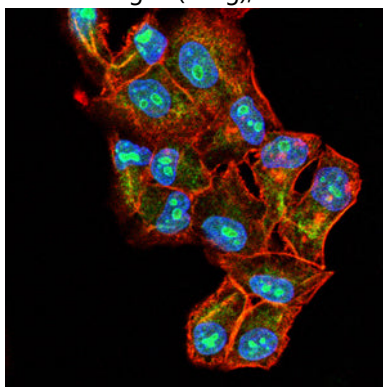
characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In *Drosophila*, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play a role in vascular, renal and hepatic development. Two transcript variants encoding different isoforms have been found for this gene.

研究领域 (Research Area)

图片 (Image Data)

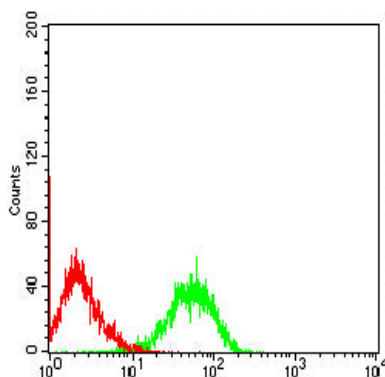


Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

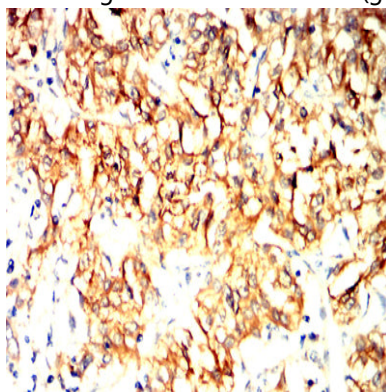


Immunofluorescence analysis of HeLa cells using NOTCH2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

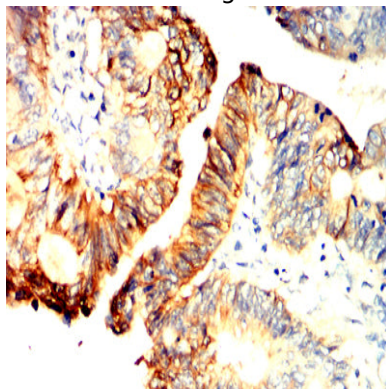
产品名称: NOTCH2 Mouse Monoclonal Antibody
产品货号: AMM82922



Flow cytometric analysis of Raji cells using NOTCH2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human renal carcinoma tissues using NOTCH2 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using NOTCH2 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .