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Anti-Notch2 Reference Antibody (Novartis patent anti-Notch2)

Catalog # APR11444

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q04721
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM
Calculated MW	265405

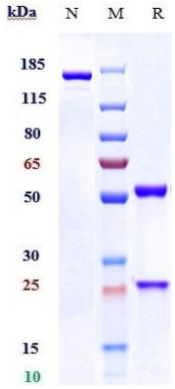
Additional Information

Target/Specificity	Notch2
Expression system	CHO

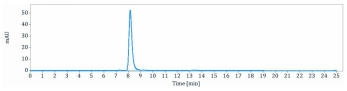
Protein Information

Name	NOTCH2 (HGNC:7882)
Function	Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) 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 (PubMed:21378985, PubMed:21378989). Affects the implementation of differentiation, proliferation and apoptotic programs (By similarity). Involved in bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL-induced osteoclast differentiation (PubMed:29149593). Positively regulates self-renewal of liver cancer cells (PubMed:25985737).
Cellular Location	[Notch 2 extracellular truncation]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in the brain, heart, kidney, lung, skeletal muscle and liver. Ubiquitously expressed in the embryo

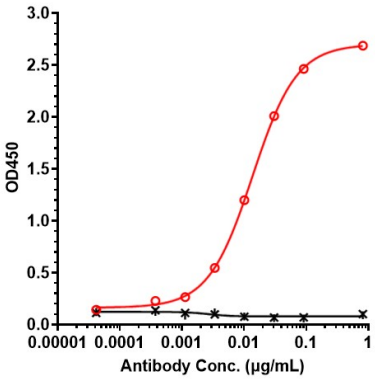
Images



anti-Notch2) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-Notch2 Reference Antibody (Novartis patent anti-Notch2) is 100%, determined by SEC-HPLC.



Immobilized hu-Notch2 NRR-his at 2 μg/mL can bind Novartis patent anti-Notch2, EC50= 0.01365 μg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.