NOTCH1 Recombinant Rabbit Monoclonal Antibody (SJ205)

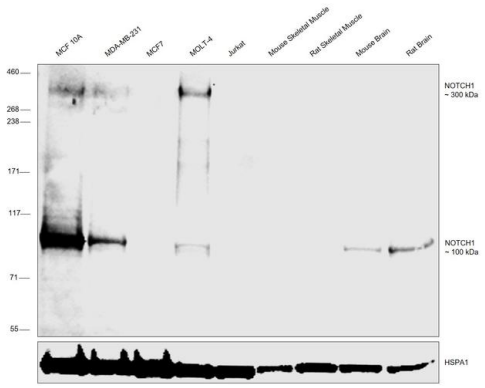
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SJ205
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Notch 1 aa 2,481-2,530
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809374

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	1:50-1:100	-
SDS-PAGE (SDS-PAGE)	-	1 Publication

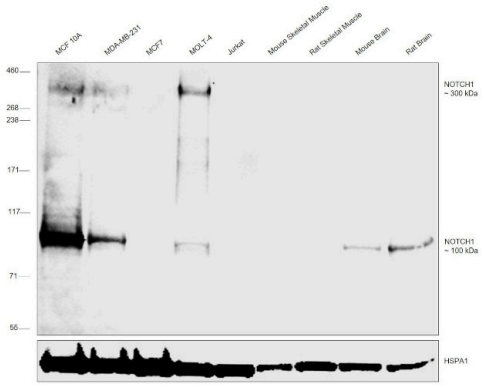
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

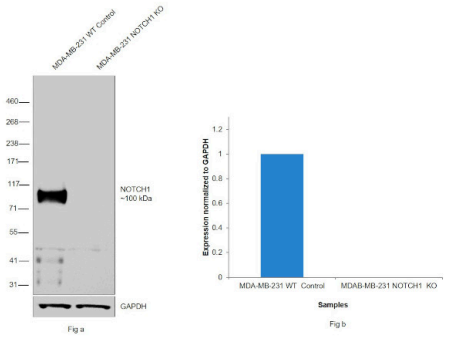
Product Images For NOTCH1 Recombinant Rabbit Monoclonal Antibody (SJ205)



NOTCH1 Antibody (MA5-32080) in WB
Western blot was performed using Anti-NOTCH1 Recombinant Rabbit Monoclonal Antibody (SJ205) (Product # MA5-32080). A 300 kDa and a 100 kDa band corresponding to NOTCH1 was observed across MCF 10A, MDA-MB-231, Molt-4, Mouse Brain and Rat Brain. Whole cell extracts (40 µg lysate) of MCF 10A (Lane 1), MDA-MB-231 (Lane 2), MCF7 (Lane 3), MOLT-4 (Lane 4), Jurkat (Lane 5), Mouse Skeletal Muscle (Lane 6), Rat Skeletal Muscle (Lane 7), Mouse Brain (Lane 8) and Rat Brain (Lane 9) were electrophoresed using NuPAGE™ 3-8% Tris-Acetate Protein Gel (Product # EA0378BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



NOTCH1 Antibody (MA5-32080)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues owing to their inherent genetic constitution. Relative expression of NOTCH1 was observed in MCF10A, MDA-MB-231 and MOLT-4 in comparison to MCF7 and Jurkat and in Mouse Brain and Rat Brain in comparison to Mouse Skeletal Muscle and Rat Skeletal Muscle using Anti-NOTCH1 Recombinant Rabbit Monoclonal Antibody (SJ205) (Product # MA5-32080) in Western Blot. {RE}



NOTCH1 Antibody (MA5-32080)
Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in NOTCH1 KO cell line compared to control cell line using Anti-NOTCH1 Recombinant Rabbit Monoclonal Antibody (SJ205) (Product # MA5-32080). {KO}

View more figures on thermofisher.cn

1 Reference

SDS-PAGE (1)

Frontiers in cardiovascular medicine

Vascular Injury in the Zebrafish Tail Modulates Blood Flow and Peak Wall Shear Stress to Restore Embryonic Circular Network.

"MA5-32080 was used in Sodium dodecyl sulfate polyacrylamide gel electrophoresis to study vascular regeneration in a zebrafish model by using tail amputation to disrupt the embryonic circulatory loop (ECL) at 3 days post fertilization (dpf)."

Authors: Baek KI,Chang SS,Chang CC,Roustaei M,Ding Y,Wang Y,Chen J,O'Donnell R,Chen H,Ashby JW,Xu X,Mack JJ,Cavallero S,Roper M,Hsiai TK

Year
2023

Species
Human