

GLUT2 Recombinant Rabbit Monoclonal Antibody (JJ20-21)

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JJ20-21
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human Glucose Transporter GLUT2 aa 35-84
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_2809721

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Flow Cytometry (Flow)	1:50-1:100	-

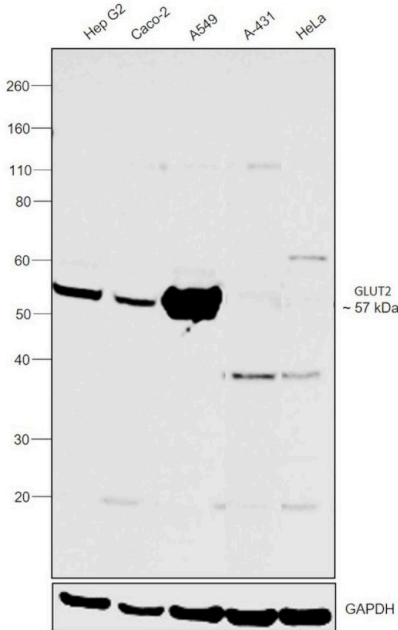
Product Specific Information

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 GLUT2 Recombinant Rabbit Monoclonal Antibody (JJ20-21)

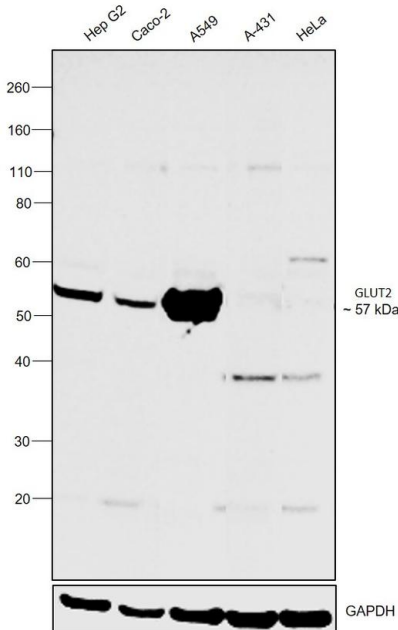
GLUT2 Antibody (MA5-32443)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lysates tested owing to their inherent genetic constitution. Relative expression of GLUT2 was observed in Hep G2, Caco-2 and A549 as compared to A-431 and HeLa using GLUT2 Recombinant Rabbit Monoclonal Antibody (JJ20-21) (Product # MA5-32443) in Western Blot. {RE}



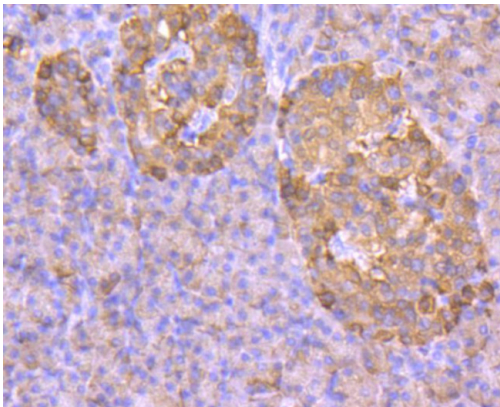
GLUT2 Antibody (MA5-32443) in WB

Western blot was performed using Anti-GLUT2 Recombinant Rabbit Monoclonal Antibody (JJ20-21) (Product # MA5-32443) and a 57 kDa band corresponding to GLUT2 was observed in Hep G2, Caco-2 and A549 but was absent in A-431 and HeLa which are reported to be negative. Membrane enriched extracts (30 µg lysate) of Hep G2 (Lane 1), Caco-2 (Lane 2), A549 (Lane 3), A-431 (Lane 4), and HeLa (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). 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 Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



GLUT2 Antibody (MA5-32443) in IHC (P)

Immunohistochemical analysis of GLUT2 of paraffin-embedded Human pancreas tissue using a GLUT2 Monoclonal antibody (Product #MA5-32443). Counter stained with hematoxylin.



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