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FUCA2 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM1909b

Product Information

Application	WB, E
Primary Accession	Q9BTY2
Other Accession	NP_114409.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	234CT20.2.1
Calculated MW	54067

Additional Information

Gene ID	2519
Other Names	Plasma alpha-L-fucosidase, Alpha-L-fucoside fucohydrolase 2, Alpha-L-fucosidase 2, FUCA2
Target/Specificity	This FUCA2 monoclonal antibody is generated from mouse immunized with FUCA2 recombinant protein.
Dilution	WB~~1:500~1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FUCA2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FUCA2
Function	Alpha-L-fucosidase is responsible for hydrolyzing the alpha- 1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins.

Cellular Location Secreted.

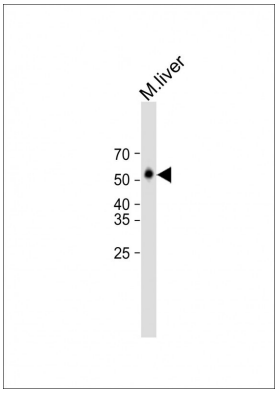
Background

This gene encodes a plasma alpha-L-fucosidase, which represents 10-20% of the total cellular fucosidase activity. The protein is a member of the glycosyl hydrolase 29 family, and catalyzes the hydrolysis of the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. This enzyme is essential for Helicobacter pylori adhesion to human gastric cancer cells.

References

Liu, T.W., et al. Proc. Natl. Acad. Sci. U.S.A. 106(34):14581-14586(2009)
Shah, M., et al. Cancer 113(2):336-346(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Mungall, A.J., et al. Nature 425(6960):805-811(2003)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

Images



All lanes: Anti-FUCA2 at 1:1000 dilution + Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 54 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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