

FUCA2 Antibody

Mouse Monoclonal Antibody (Mab)

Catalog # AM1909b

Product Information

Application	WB, E
Primary Accession	Q9BTY2
Other Accession	NP_114409.2
Reactivity	Human
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)

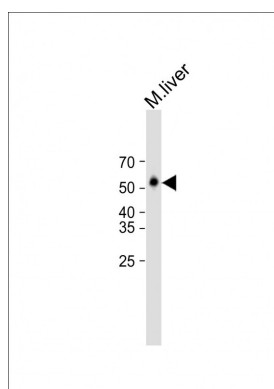
Shah, M., et al. Cancer 113(2):336-346(2008)

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'.