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FUCA1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6791c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P04066
Other Accession	Q60HF8
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19323
Calculated MW	53689
Antigen Region	265-294

Additional Information

Gene ID	2517
Other Names	Tissue alpha-L-fucosidase, Alpha-L-fucosidase I, Alpha-L-fucoside fucohydrolase 1, Alpha-L-fucosidase 1, FUCA1
Target/Specificity	This FUCA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-294 amino acids from the Central region of human FUCA1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation 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	FUCA1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FUCA1 (HGNC:4006)
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 Lysosome.

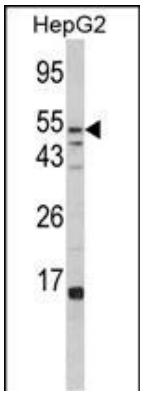
Background

FUCA1 is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.

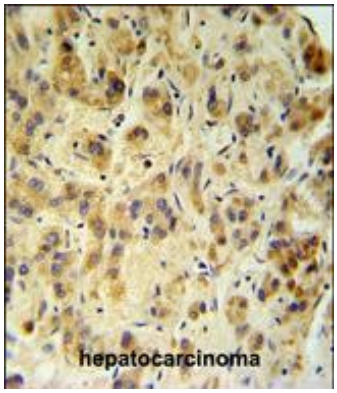
References

Palmieri,R.T., et.al., Cancer Epidemiol. Biomarkers Prev. 17 (12), 3567-3572 (2008)

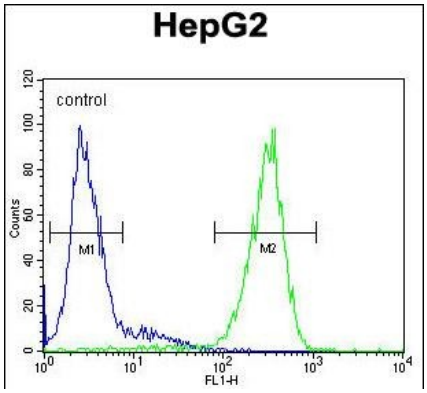
Images



Western blot analysis of FUCA1 Antibody (Center) (Cat. #AP6791c) in HepG2 cell line lysates (35ug/lane). FUCA1 (arrow) was detected using the purified Pab.



FUCA1 Antibody (Center) (Cat. #AP6791c) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the FUCA1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



FUCA1 Antibody (Center) (Cat. #AP6791c) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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