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FUCA2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7646a

Specification

FUCA2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9BTY2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54067**
Antigen Region	**138-167**

FUCA2 Antibody (N-term) - 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 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the N-terminal region of human FUCA2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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
FUCA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FUCA2 Antibody (N-term) - 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.

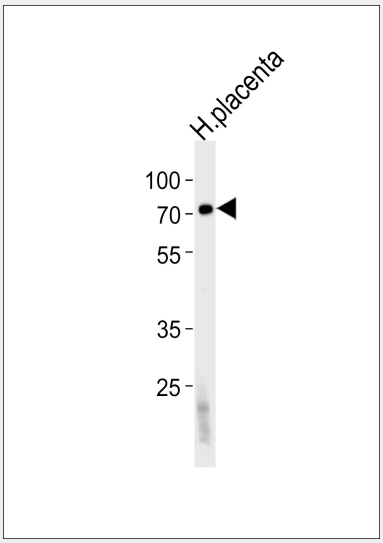
Cellular Location
Secreted.

FUCA2 Antibody (N-term) - Protocols

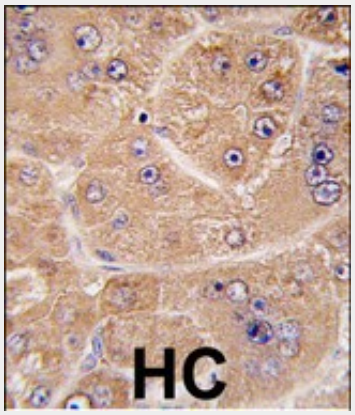
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FUCA2 Antibody (N-term) - Images



Western blot analysis of lysate from human placenta tissue lysate, using FUCA2 Antibody (N-term)(Cat. #AP7646a). AP7646a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with FUCA2 antibody (N-term) (Cat.#AP7646a), which was peroxidase-conjugated to the secondary antibody,

followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

FUCA2 Antibody (N-term) - Background

Alpha-L-fucosidase catalyzes the hydrolysis of terminal alpha-L-fucosidase linkages in glycosphingolipids and glycoproteins. At least 2 separate polymorphic alpha-L-fucosidases are recognized in man. The FUCA2 locus regulates the level of alpha-fucosidase in plasma and fibroblasts but not in leukocytes. In fucosidosis, deficiency of alpha-L-fucosidase is found in both plasma and leukocytes.

FUCA2 Antibody (N-term) - References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003).
Eiberg, H., et al., Clin. Genet. 26(1):23-29 (1984).

FUCA2 Antibody (N-term) - Citations

- Alpha-L-Fucosidase Immunoassay for Early Detection of Hepatocellular Carcinoma.
- Study of the Alpha-l-Fucosidase Langmuir Monolayer at the Air-Water Interface.