

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

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**FUCA2 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9BTY2</a>
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 fucosylhydrolase 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.

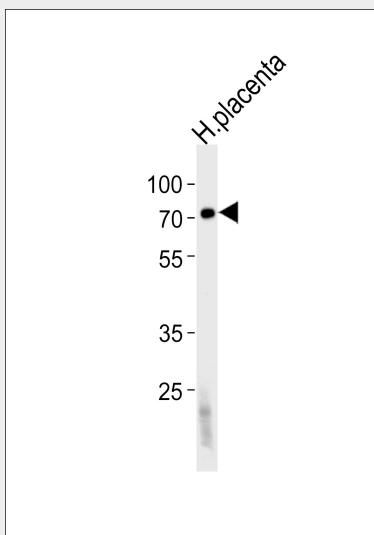
**Cellular Location**  
Secreted.

### FUCA2 Antibody (N-term) - Protocols

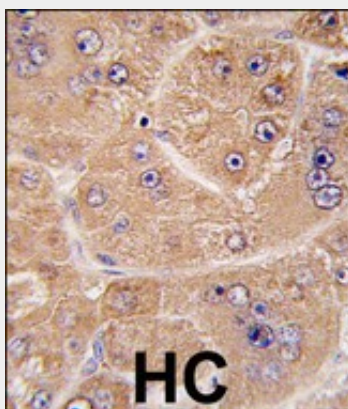
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.](#)