

**FUCA1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6791c****Specification**

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**FUCA1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P04066](#)**FUCA1 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP6791c](/products/AP6791c) was selected from the Center region of human FUCA1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**FUCA1 Antibody (Center) Blocking Peptide - 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.

**FUCA1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**FUCA1 Antibody (Center) Blocking Peptide - Images****FUCA1 Antibody (Center) Blocking Peptide - 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.

**FUCA1 Antibody (Center) Blocking Peptide - References**

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