

MBOAT4 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12316c**Specification**

MBOAT4 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q96T53](#)**MBOAT4 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 619373**Other Names**

Ghrelin O-acyltransferase, 231-, Membrane-bound O-acyltransferase domain-containing protein 4, O-acyltransferase domain-containing protein 4, MBOAT4, GOAT, OACT4

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.

MBOAT4 Antibody (Center) Blocking peptide - Protein Information**Name** MBOAT4 ([HGNC:32311](#))**Synonyms** GOAT, OACT4**Function**

Catalyzes ghrelin acylation at 'Ser-3' using preferentially octanoyl-CoA, hexanoyl-CoA and decanoyl-CoA as acyl-CoA donors leading to ghrelin activity (PubMed:24045953, PubMed:18443287, PubMed:25562443, PubMed:28134508). In vitro uses also acyl-CoA donors of different lengths from short-chain (C2) to long-chain fatty acids (C16) knowing that acyl-CoA donors from butanoyl-CoA (C4) to dodecanoyl-CoA (C12) are more efficient compared to longer acyl-CoA donors, such as myristoyl-CoA (C14) and palmitoyl-CoA (C16) that are not efficient (PubMed:18443287).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P0C7A3}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P0C7A3}

Tissue Location

Expressed predominantly in stomach with moderate levels in pancreas and relatively low levels in most other tissues

MBOAT4 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MBOAT4 Antibody (Center) Blocking peptide - Images**MBOAT4 Antibody (Center) Blocking peptide - Background**

MBOAT4 mediates the octanoylation of ghrelin at 'Ser-3'. Can use a variety of fatty acids as substrates including octanoic acid, decanoic acid and tetradecanoic acid.

MBOAT4 Antibody (Center) Blocking peptide - References

Takahashi, T., et al. J. Biochem. 146(5):675-682(2009) Gomez, R., et al. Arthritis Rheum. 60(6):1704-1709(2009) Gutierrez, J.A., et al. Proc. Natl. Acad. Sci. U.S.A. 105(17):6320-6325(2008)