

FKSG89 / MBOAT4 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11199**Specification**

FKSG89 / MBOAT4 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O96T53
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

FKSG89 / MBOAT4 Antibody (Internal) - Additional Information**Gene ID** 619373**Other Names**

Ghrelin O-acyltransferase, 2.3.1.-, Membrane-bound O-acyltransferase domain-containing protein 4, O-acyltransferase domain-containing protein 4, MBOAT4, GOAT, OACT4

Target/Specificity

Human MBOAT4. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except METTL10 (57%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

FKSG89 / MBOAT4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

FKSG89 / MBOAT4 Antibody (Internal) - 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

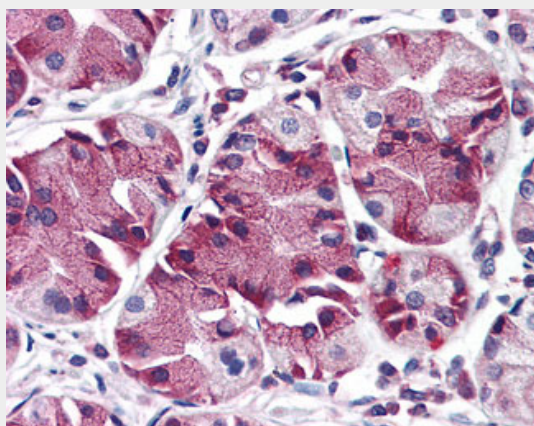
Volume

50 µl

FKSG89 / MBOAT4 Antibody (Internal) - 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](#)

FKSG89 / MBOAT4 Antibody (Internal) - Images

Anti-MBOAT4 antibody ALS11199 IHC of human stomach.

FKSG89 / MBOAT4 Antibody (Internal) - Background

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.

FKSG89 / MBOAT4 Antibody (Internal) - References

Gutierrez J.A., et al. Proc. Natl. Acad. Sci. U.S.A. 105:6320-6325(2008).
Wang Y.-G., et al. Submitted (MAR-2001) to the EMBL/GenBank/DDBJ databases.
Nusbaum C., et al. Nature 439:331-335(2006).

