

GOAT / MBOAT4 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3032a**Specification**

GOAT / MBOAT4 Antibody (internal region) - Product Information

Application	E
Primary Accession	O96T53
Other Accession	NP_001094386.1 , 619373 , 234155 (mouse) , 306515 (rat)
Predicted	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	49716

GOAT / MBOAT4 Antibody (internal region) - 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

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GOAT / MBOAT4 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

GOAT / MBOAT4 Antibody (internal region) - 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:18443287, PubMed:24045953, PubMed:25562443, PubMed:28134508). In vitro also uses 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

GOAT / MBOAT4 Antibody (internal region) - 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](#)

GOAT / MBOAT4 Antibody (internal region) - Images

GOAT / MBOAT4 Antibody (internal region) - References

Ghrelin octanoylation mediated by an orphan lipid transferase. Gutierrez JA, Solenberg PJ, Perkins DR, Willency JA, Knierman MD, Jin Z, Witcher DR, Luo S, Onyia JE, Hale JE, Proceedings of the National Academy of Sciences of the United States of America 2008 Apr 105 (17): 6320-5. PMID: 18443287