

Mboat4 (mouse) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3498a**Specification**

Mboat4 (mouse) Antibody (internal region) - Product Information

Application	WB
Primary Accession	Q96T53
Other Accession	NP_001119786.1 , 619373 , 234155 (mouse)
Reactivity	Mouse
Predicted	Human, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	49716

Mboat4 (mouse) 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

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

Mboat4 (mouse) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Mboat4 (mouse) 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:24045953, PubMed:18443287, PubMed:18443287).

href="http://www.uniprot.org/citations/25562443" target="_blank">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 (mouse) 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](#)

Mboat4 (mouse) Antibody (internal region) - Images



AF3498a (0.5 µg/ml) staining of Mouse Pancreas lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Mboat4 (mouse) Antibody (internal region) - References

Production of n-octanoyl-modified ghrelin in cultured cells requires prohormone processing

protease and ghrelin O-acyltransferase, as well as n-octanoic acid. Takahashi T, Ida T, Sato T, Nakashima Y, Nakamura Y, Tsuji A, Kojima M, Journal of biochemistry 2009 Nov 146 (5): 675-82. PMID: 19628676