

Specification

Application	E
Primary Accession	O96T53
Other Accession	NP_001094386.1 , 619373
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	49716

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:25562443)

[28134508](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

Ghrelin O-acyltransferase 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](#)

Ghrelin O-acyltransferase Antibody (internal region) - Images**Ghrelin O-acyltransferase 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