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Datasheet for ABIN1714457

anti-MBOAT4 antibody (AA 101-200)

1 Image

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Overview

Quantity:	100 µL
Target:	MBOAT4
Binding Specificity:	AA 101-200
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBOAT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Ghrelin O acyltransferase
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Horse,Rabbit,Monkey
Purification:	Purified by Protein A.

Target Details

Target:	MBOAT4
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Target Details

Alternative Name:	MBOAT4/Ghrelin O acyltransferase (MBOAT4 Products)
Background:	Synonyms: FKSG89, ghrelin o transferas, Ghrelin O-acyltransferase, GOAT, MBOA4_HUMAN, Mboat4, Membrane-bound O-acyltransferase domain-containing protein 4, O-acyltransferase membrane bound domain containing 4, O-acyltransferase domain-containing protein 4, OACT4. 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.
Gene ID:	619373
UniProt:	Q96T53
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Yu, Chu, Chen, Hsieh, Kuo: "Participation of ghrelin signalling in the reciprocal regulation of hypothalamic NPY/POMC-mediated appetite control in amphetamine-treated rats." in: **Appetite**, Vol. 113, pp. 30-40, (2017) ([PubMed](#)).

Yu, Chu, Chen, Hsieh, Kuo: "Mediation of oxidative stress in hypothalamic ghrelin-associated appetite control in rats treated with phenylpropanolamine." in: **Genes, brain, and behavior**, Vol. 16, Issue 4, pp. 439-448, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Lane 1: Mouse stomach lysates probed with Ghrelin O acyltransferase Antibody, Unconjugated (bs-13355R) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:20000 for 90 min at 37°C.