AWAT1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	AWAT1, Blocking Peptide
Full Product Name	AWAT1 Peptide - N-terminal region
Product Gene Name	AWAT1 blocking peptide
Product Synonym Gene Name	AWAT1; DGA2; DGAT2L3
Sequence	NWCVWTHIRD YFPITILKTK DLSPEHNYLM GVHPHGLLTF GAFCNFCTEA
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	AWAT1 peptide (MBS3232436) is used for blocking the activity of AWAT1 antibody (MBS3207471)
Molecular Weight	38kDa
Product Categories/Family for AWAT1 blocking peptide	Peptide
Applications Tested/Suitable for AWAT1 blocking peptide	Western Blot (WB)
Related Product Information for AWAT1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-DGAT2L3 Antibody, made Target Description: The protein encoded by this gene belongs to the diacylglycerol acyltransferase family. It esterifies long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that this enzyme plays a central role in lipid metabolism in skin. Consistent with this observation, this protein is predominantly expressed in the sebaceous gland of the skin.
Other Notes	Small volumes of AWAT1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AWAT1 purchase	MBS3232436 is a blocking peptide targeting AWAT1. Also known as AWAT1 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AWAT1. It may not necessarily be applicable to this product.

NCBI GI #	61888902
NCBI GeneID	158833
NCBI Accession #	NP_001013597
UniProt Primary Accession #	Q58HT5
UniProt Related Accession #	Q58HT5
GenBank Nucleotide #	NM_001013579
NCBI Official Full Name	acyl-CoA wax alcohol acyltransferase 1
NCBI Official Synonym Full Names	acyl-CoA wax alcohol acyltransferase 1

NCBI Official Symbol	AWAT1
NCBI Official Synonym Symbols	DGA2; DGAT2L3
UniProt Protein Name	Acyl-CoA wax alcohol acyltransferase 1
UniProt Synonym Protein Names	Diacylglycerol O-acyltransferase 2-like protein 3; Diacylglycerol acyltransferase 2; Long-chain-alcohol O-fatty-acyltransferase 1
Protein Family	Acyl-CoA wax alcohol acyltransferase
UniProt Gene Name	AWAT1
UniProt Synonym Gene Names	DGA2; DGAT2L3
UniProt Entry Name	AWAT1_HUMAN
NCBI Protein Information	acyl-CoA wax alcohol acyltransferase 1
NCBI Summary for AWAT1	The protein encoded by this gene belongs to the diacylglycerol acyltransferase family. It esterifies long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that this enzyme plays a central role in lipid metabolism in skin. Consistent with this observation, this protein is predominantly expressed in the sebaceous gland of the skin. [provided by RefSeq, Sep 2009]
Research Articles on AWAT1	**1.** analysis of AWAT1 and AWAT2 substrate specificity and differentiation-specific expression pattern
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