



AWAT2 Polyclonal Antibody

Catalog No	YP-Ab-05270
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	AWAT2 DC4 DGAT2L4 MFAT WS
Immunogen	Synthesized peptide derived from human protein . at AA range: 260-340
Specificity	AWAT2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AWAT2;DC4;DGAT2L4;hDC4;hWS;MFAT;Wax synthase;WS;AWAT2 DC4 DGAT2L4 MFAT WS;Acyl-CoA wax alcohol acyltransferase 2 (EC 2.3.1.75) (Acyl-CoA retinol O-fatty-acyltransferase) (ARAT) (Retinol O-fatty-acyltransferase) (EC 2.3.1.76) (Diacylglycerol O-acyltransferase 2-like protein
Observed Band	36kD
Calculated Molecular Weight	36kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in skin, where it is primarily restricted to undifferentiated peripheral sebocytes. Also expressed at lower level in other tissues except pancreas.
Function	catalytic activity:Acyl-CoA + a long-chain alcohol = CoA + a long-chain ester., function:Acyltransferase that predominantly esterify long chain (wax) alcohols with acyl-CoA-derived fatty acids to produce wax esters. Wax esters are enriched in sebum, suggesting that it plays a central role in lipid metabolism in skin. Has no activity using decyl alcohol and significantly prefers the C16 and C18 alcohols. May also have 2-acylglycerol O-acyltransferase (MGAT) and acyl-CoA:retinol acyltransferase (ARAT) activities, to catalyze the synthesis of diacylglycerols and retinyl esters; however this activity is unclear in vivo.,



similarity: Belongs to the diacylglycerol acyltransferase family., tissue specificity: Abundant in tissues rich in sebaceous glands such as the preputial gland and eyelid. Highly expressed in skin, where it is primarily restricted to undifferentiated peripheral sebocytes. Also ex

Background

This gene encodes an enzyme belonging to the diacylglycerol acyltransferase family. This enzyme produces wax esters by the esterification of long chain (or wax) alcohols with acyl-CoA-derived fatty acids. It functions in lipid metabolism in the skin, mostly in undifferentiated peripheral sebocytes. This enzyme may also have acyl-CoA:retinol acyltransferase activities, where it catalyzes the synthesis of diacylglycerols and retinyl esters. [provided by RefSeq, May 2010],

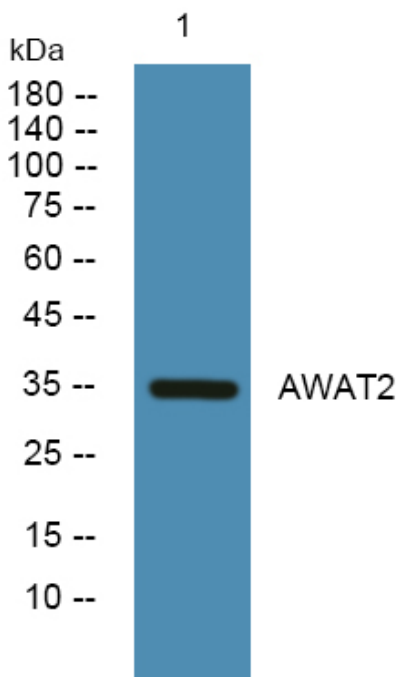
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night