

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MBOAT1



Numéro de catalogue: 25615-1-AP

Informations de base

Numéro de catalogue:	25615-1-AP	Numéro d'acquisition GenBank:	BC150652	Méthode de purification:	Purification par affinité contre l'antigène
Taille:	150ul, Concentration: 600 µg/ml by Nanodrop;	Identification du gène (NCBI):	154141	Dilutions recommandées:	WB 1:500-1:2000
Hôte:	Lapin	Nom complet:	membrane bound O-acyltransferase domain containing 1		
Isotype:	IgG	MW calculé	495 aa, 57 kDa		
Immunogen Catalog Number:	AG22470	MW observés:	45-57 kDa		

Applications

Applications testées:	WB, ELISA	Contrôles positifs:	WB : cellules MCF-7,
Spécificité de l'espèce:	Humain		

Informations générales

MBOAT1 (membrane bound O-acyltransferase domain containing 1), also known as LPLAT or LPSAT. It is expected to be located in membrane and widely expressed in colon, small intestine. MBOAT1 belongs to the membrane-bound O- acetyltransferase superfamily. Its encoded transmembrane protein is an enzyme that transfers organic compounds, preferably oleoyl-CoA, to the hydroxyl group of protein target in the membrane. The translocation that destroys the gene may be related to short finger toe syndrome. At the same time, it may also play a role in neurite growth during neuronal differentiation (PMID: 18772128). Studies have determined that phospholipid modifying enzymes MBOAT1 and MBOAT2 are iron sag inhibitors. MBOAT1/2 can inhibit iron sag by reshaping the phospholipid profile of cells, and their iron sag monitoring function is independent of GPX4 or FSP1. MBOAT1 and MBOAT2 are up-regulated by sex hormone receptors, namely estrogen receptor (ER) and androgen receptor (AR), respectively (PMID: 37267948). The calculated molecular weight of MBOAT1 is 57 kDa. This antibody can recognize the 40 kDa isoform of MBOAT1.

Stockage

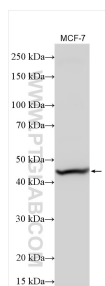
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 25615-1-AP (MBOAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.