

For Research Use Only

MBOAT7 Polyclonal antibody

Catalog Number: 26646-1-AP



Basic Information

Catalog Number: 26646-1-AP	GenBank Accession Number: BC006309	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 79143	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: membrane bound O-acyltransferase domain containing 7	
Isotype: IgG	Calculated MW: 472 aa, 53 kDa	
Immunogen Catalog Number: AG24490	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue,
Species Specificity: human, mouse	

Background Information

MBOAT7 (membrane-bound O-acyltransferase domain containing 7), also known as LPIAT1, LENG4, or BB1, belongs to the MBOAT superfamily. MBOAT7 acylates lyso-phosphatidylinositol (lyso-PI) with arachidonyl-CoA and is involved in phosphatidylinositol acyl-chain remodeling in the Lands cycle (PMID: 30959108; PMID: 35509994). MBOAT7 deficiency in humans leads to developmental disorders of the central nervous system, with intellectual disability, epilepsy, and autism spectrum disorder (PMID: 37316513). The calculated molecular weight of MBOAT7 is 53 kDa. This antibody can recognize the 45 kDa isoform of MBOAT7.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% 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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Selected Validation Data



mouse liver tissue was subjected to SDS PAGE followed by western blot with 26646-1-AP (MBOAT7 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.