

For Research Use Only

MBOAT7 Polyclonal antibody

Catalog Number: 26646-1-AP



Basic Information

Catalog Number:

26646-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24490

GenBank Accession Number:

BC006309

GeneID (NCBI):

79143

UNIPROT ID:

Q96N66

Full Name:

membrane bound O-acyltransferase domain containing 7

Calculated MW:

472 aa, 53 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: mouse liver tissue,

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

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.