

For Research Use Only

# PLAAT3 Polyclonal antibody, PBS Only

Catalog Number:55209-1-PBS



## Basic Information

Catalog Number:

55209-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_007069

GeneID (NCBI):

11145

UNIPROT ID:

P53816

Full Name:

phospholipase A2, group XVI

Calculated MW:

18 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Phospholipase A/acyltransferase 3 (PLAAT3) is a phospholipid-modifying enzyme predominantly expressed in neural and white adipose tissue (WAT).It belongs to the phospholipase A and acyltransferase (PLAAT) family which is a group of structurally related proteins that are conserved among vertebrates. In humans, the family comprises five members (PLAAT1-5), which share common domain structures, and functions as phospholipase A1/A2 and acyltransferase enzymes. Regarding acyltransferase activities, PLAATs produce N-acyl-phosphatidylethanolamines, which serve as the precursor of bioactive N-acylethanolamines (NAEs) (PMID: 40074088).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

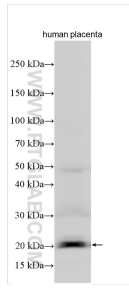
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## Selected Validation Data



Human placenta tissue were subjected to SDS PAGE followed by western blot with 55209-1-AP (PLAAT3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55209-1-PBS in a different storage buffer formulation.