

For Research Use Only

# ELOVL3 Polyclonal antibody

Catalog Number: 32474-1-AP



## Basic Information

Catalog Number:

32474-1-AP

Size:

150ul , Concentration: 450 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24318

GenBank Accession Number:

BC034344

GeneID (NCBI):

83401

UNIPROT ID:

Q9HB03

Full Name:

elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3

Calculated MW:

32 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : human testis tissue, mouse adipose tissue

## Background Information

ELOVL3 (elongation of very long-chain fatty acids 3) is a member of the ELOVL family of enzymes that synthesize very long chain fatty acids (VLCFAs). ELOVL3 is expressed primarily in brown and white adipose tissue, skin sebaceous glands, and the liver, synthesizes C20-C24 saturated and monounsaturated fatty acids (PMID: 37847682). ELOVL3 is involved in the regulation of the progression of adipogenesis through activation of peroxisome proliferator-activated receptor (PPAR) $\gamma$  in mouse adipocytic 3T3-L1 cells (PMID: 22436697, 16326704).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

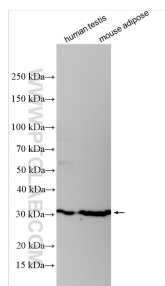
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32474-1-AP (ELOVL3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.