

FADS3 Polyclonal antibody

Catalog Number: 15205-1-AP

Basic Information

Catalog Number:

15205-1-AP

Size:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7355

GenBank Accession Number:

BC004901

GeneID (NCBI):

3995

UNIPROT ID:

Q9Y5Q0

Full Name:

fatty acid desaturase 3

Calculated MW:

51 kDa

Observed MW:

41-51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : mouse brain tissue, mouse skeletal muscle tissue, mouse kidney tissue, L02 cells, rat skeletal muscle tissue, mouse liver tissue

IP : L02 cells,

IHC : human ovary cancer tissue,

Background Information

FADS3, also named as CYB5RP, belongs to fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. FADS3 can be detected as 40 kDa-51 kDa.

Storage

Storage:

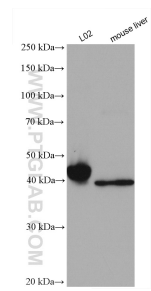
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

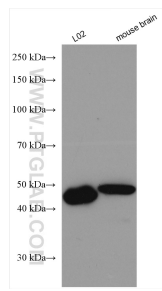
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

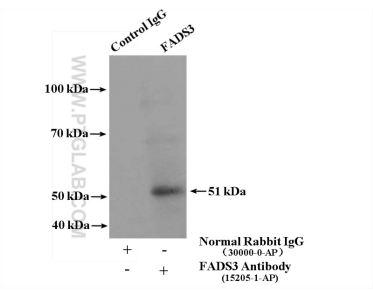
Selected Validation Data



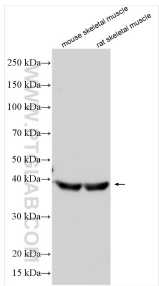
Various lysates were subjected to SDS PAGE followed by western blot with 15205-1-AP (FADS3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



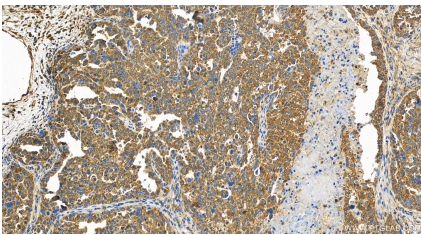
Various lysates were subjected to SDS PAGE followed by western blot with 15205-1-AP (FADS3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-FADS3 (IP:15205-1-AP, 4ug; Detection:15205-1-AP 1:500) with L02 cells lysate 3000 ug.



Various lysates were subjected to SDS PAGE followed by western blot with 15205-1-AP (FADS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 15205-1-AP (FADS3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).