

For Research Use Only

FADS2-Specific Recombinant antibody

Catalog Number: 84527-4-RR



Basic Information

Catalog Number:

84527-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27715

GenBank Accession Number:

BC009011

GeneID (NCBI):

9415

UNIPROT ID:

O95864

Full Name:

fatty acid desaturase 2

Calculated MW:

445 aa, 49 kDa

Observed MW:

45 kDa

Purification Method:

Protein A purification

CloneNo.:

241863D2

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : L02 cells, Jurkat cells, mouse liver tissue, LNCaP cells, A549 cells, PC-3 cells, rat liver tissue

Background Information

Fatty acid desaturase 2 (FADS2) is responsible for the first desaturation reaction in the synthesis of highly unsaturated fatty acids (HUFAs), such as arachidonic acid (20:4n-6) and eicosapentaenoic acid (20:5n-3), and is involved in Mead acid (20:3n-9) production during essential fatty acid deficiency (EFAD) (PMID: 29353041). This is important when temperatures changes and the membrane is under distress. It has 4 isoforms produced by alternative splicing.

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:

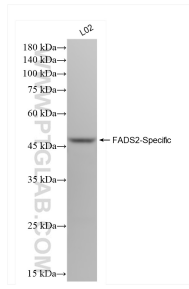
T: 4006900926

E: Proteintech-CN@ptglab.com

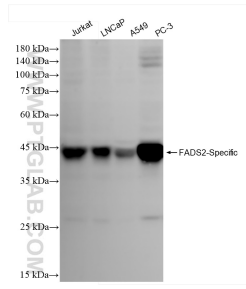
W: ptgcn.com

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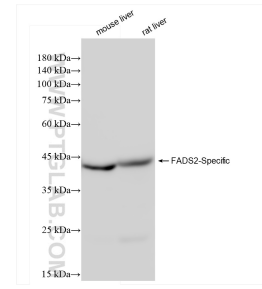
Selected Validation Data



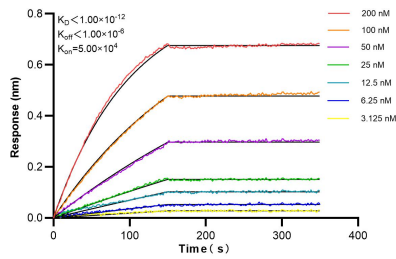
L02 cells were subjected to SDS PAGE followed by western blot with 84527-4-RR (FADS2-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84527-4-RR (FADS2-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 84527-4-RR against Human FADS2-Specific were performed. The affinity constant is below 1 pM.