

For Research Use Only

FADS2-Specific Recombinant antibody

Catalog Number: 84527-5-RR



Basic Information

Catalog Number:

84527-5-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

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

Purification Method:

Protein A purification

CloneNo.:

241863G3

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

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 and can be detected as 46-52 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

*** 20ul sizes contain 0.1% BSA

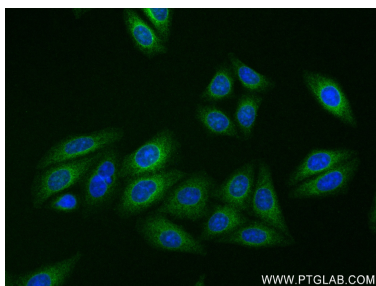
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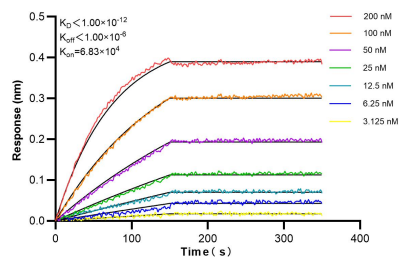
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FADS2-Specific antibody (84527-5-RR, Clone: 241863G3) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84527-5-RR against Human FADS2-Specific were performed. The affinity constant is below 1 pM.