

For Research Use Only

CoraLite® Plus 488-conjugated FADS2 Recombinant monoclonal antibody

Catalog Number: CL488-84527-5



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-84527-5	BC009011	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	9415	241863G3
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	095864	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	fatty acid desaturase 2	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG27715	445 aa, 49 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HepG2 cells,
Species Specificity:	
human	

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.

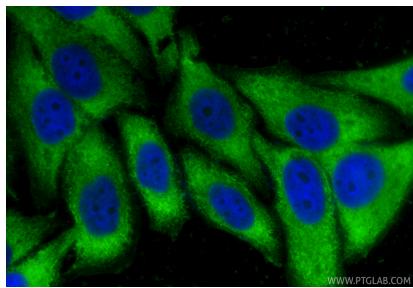
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 FADS2 antibody (CL488-84527-5, Clone: 241863G3) at dilution of 1:200.