

For Research Use Only

# CoraLite® Plus 488-conjugated FADS2 Recombinant monoclonal antibody

Catalog Number: CL488-84527-5



## Basic Information

|                           |               |                           |                         |   |                        |
|---------------------------|---------------|---------------------------|-------------------------|---|------------------------|
| Catalog Number:           | CL488-84527-5 | GenBank Accession Number: | BC009011                | Purification Method:                    | Protein A purification |
| Source:                   | Rabbit        | GenID (NCBI):             | 9415                    | CloneNo.:                               | 241863G3               |
| Isotype:                  | IgG           | UNIPROT ID:               | O95864                  | Recommended Dilutions:                  | IF/ICC: 1:50-1:500     |
| Immunogen Catalog Number: | AG27715       | Full Name:                | fatty acid desaturase 2 | Excitation/Emission maxima wavelengths: | 493 nm / 522 nm        |
|                           |               | Calculated MW:            | 445 aa, 49 kDa          |   |                        |

## Applications

|                      |        |                       |
|----------------------|--------|-----------------------|
| Tested Applications: | IF/ICC | Positive Controls:    |
| Species Specificity: | human  | 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 (HUFA), 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:

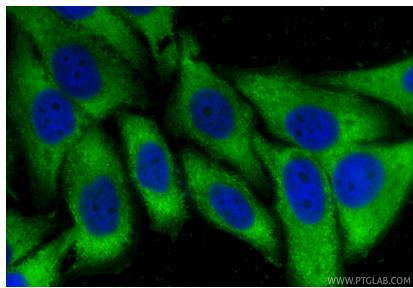
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## 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.