

For Research Use Only

# FADS2-Specific Recombinant antibody, PBS Only

Catalog Number: 84527-5-PBS



## Basic Information

Catalog Number: 84527-5-PBS	GenBank Accession Number: BC009011	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 9415	CloneNo.: 241863G3
Source: Rabbit	UNIPROT ID: O95864	
Isotype: IgG	Full Name: fatty acid desaturase 2	
Immunogen Catalog Number: AG27715	Calculated MW: 445 aa, 49 kDa	

## Applications

Tested Applications:  
IF/ICC, Indirect ELISA  
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 -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
Storage Buffer:  
PBS Only

For technical support and original validation data for this product please contact:

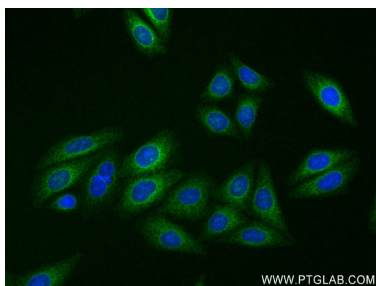
T: 4006900926

E: Proteintech-CN@ptglab.com

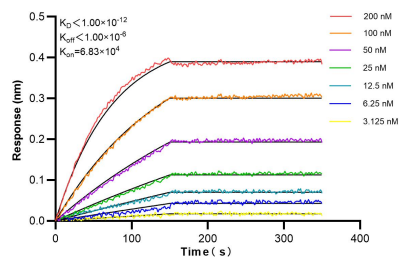
W: ptgcn.com

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 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). This data was developed using the same antibody clone with 84527-5-PBS in a different storage buffer formulation.



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