For Research Use Only

## FADS2-Specific Recombinant antibody

Catalog Number:84527-4-RR

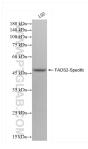


Size:       GenelD (NCBI):       CloneNo:         100ul, Concentration: 1000 µg/ml by       9415       241863D2         Nanodrop:       UNIPROT ID:       Recommended Dilutions:         Source:       095864       WB 1:5000-1:50000         Rabbit       Full Name:       15000-1:50000         Isotype:       fatty acid desaturase 2       IgG         IgG       Calculated MW:       1005000         MG27715       Observed MW:       45 kDa         AG27715       Observed MW:       45 kDa         Species Specificity:       wB 1:D2 cells, Jurkat cells, mouse liver tissue, LN         Numan, mouse, rat       VB 1:D2 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	Basic Information	Catalog Number: 84527-4-RR	GenBank Accession Number: BC009011	Purification Method: Protein A purfication	
Source:     095864     WB 1:5000-1:50000       Rabbit     Full Name:       Isotype:     fatty acid desaturase 2       IgG     Calculated NW:       Immunogen Catalog Number:     445 aa, 49 kDa       AG27715     Observed MV:       45 kDa     45 kDa   Applications       Tested Applications:     Positive Controls:       WB, EUSA     WB : L02 cells, Jurkat cells, mouse liver tissue, IN       Species Specificity:     cells, A549 cells, PC-3 cells, rat liver tissue, IN       human, mouse, rat     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). Thi important when temperatures changes and the membrane is under distress. It has 4 isoforms produced by alternative splicing.       Storage     Storage:       Storage Buffer:     PBS with 002% sodium azide and 50% glycerol pH 7.3.       Aliquoting is unnecessary for -20°C storage		100ul , Concentration: 1000 µg/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number:			
Apprications       WB, ELISA       WB: L02 cells, Jurkat cells, mouse liver tissue, LN cells, A549 cells, PC-3 cells, rat liver tissue         Species Specificity:       human, mouse, rat         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). Thi important when temperatures changes and the membrane is under distress. It has 4 isoforms produced by alternative splicing.         Storage       Storage:         Storage Buffer:       PBS with 0.02% sodium azide and 50% glycerol pH 7.3.         Aliquoting is unnecessary for -20°C storage       Storage			O95864 Full Name: fatty acid desaturase 2 Calculated MW: 445 aa, 49 kDa Observed MW:		
Storage:         Storage:         Storage:         Storage:         Storage Mitter         PBS with 0.02% sodium azide and 50% glycerol pH 7.3.         Aliquoting is unnecessary for -20°C storage	Applications	WB, ELISA Species Specificity:	WB : L02	02 cells, Jurkat cells, mouse liver tissue, LNCaP	
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	Background Information	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			
	Storage	Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	% glycerol pH 7.3.		
	*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20°C s	torage		

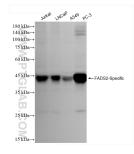
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

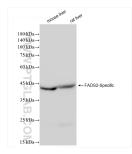
## Selected Validation Data



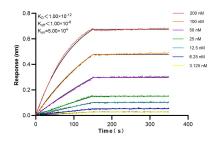
LO2 cells were subjected to SDS PAGE followed by western blot with 84527-4-RR (FADS2-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



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.



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