

For Research Use Only

FDFT1 Recombinant antibody

Catalog Number: 83020-1-RR



Basic Information

Catalog Number: 83020-1-RR	GenBank Accession Number: BC029641	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 2222	CloneNo.: 230362C10
Source: Rabbit	UNIPROT ID: P37268	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: farnesyl-diphosphate farnesyltransferase 1	
Immunogen Catalog Number: AG3743	Calculated MW: 417 aa, 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : L02 cells, T-47D cells, SH-SY5Y cells, HepG2 cells, mouse testis tissue
Species Specificity: Human, mouse	

Background Information

SQS (Squalene synthase), also known as Farnesyl-diphosphate farnesyltransferase 1 (FDFT1) is a gene that encodes the membrane-associated enzyme squalene synthase, which is the first specific enzyme in cholesterol biosynthesis. FDFT1 is highly expressed in liver, lung, prostate, breast, ovary, bladder, cervix, thyroid, and esophageal cancers, while in colorectal, colon, testicular, uterine, pancreas, and kidney tumors, its expression is downregulated (PMID: 35093030). FDFT1 is a key downstream target of the fasting response and may be involved in CRC cell glucose metabolism (PMID: 32313017).

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

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

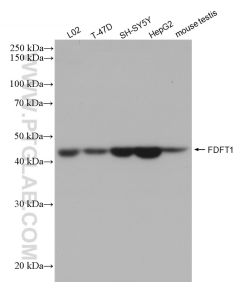
T: 4006900926

E: Proteintech-CN@ptglab.com

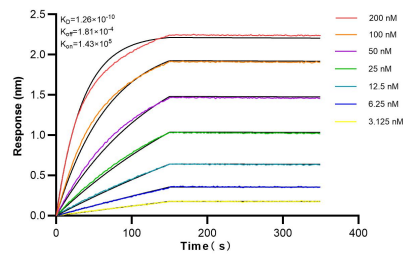
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83020-1-RR (FDF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83020-1-RR against Human FDF1 were performed. The affinity constant is 0.126 nM.