

For Research Use Only

FAT1 Recombinant antibody

Catalog Number: 84279-3-RR



Basic Information

Catalog Number: 84279-3-RR	GenBank Accession Number: GeneID (NCBI): 2195	Purification Method: Protein A purification
Size: 1000 ug/ml	UNIPROT ID: Q14517	CloneNo.: 241602F9
Source: Rabbit	Full Name: FAT tumor suppressor homolog 1 (Drosophila)	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Observed MW: 506-600 kDa	
Immunogen Catalog Number: AG33957		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells,
Species Specificity: human	

Background Information

FAT1, also known as hFat1, belongs to a member of the cadherin superfamily, has been proposed to play roles in cerebral development, glomerular slit formation, and also to act as a tumor suppressor, but its mechanisms of action have not been elucidated. It is expected to be located in cell membrane and nucleus, which is expressed in many epithelial and some endothelial and smooth muscle cells. The calculated molecular weight of FAT1 is 506 kDa and there is glycosylation modification of the protein. To examine functions of the transmembrane and cytoplasmic domains, they were expressed in HEK-293 and HeLa cells as chimeric proteins in fusion with EGFP and extracellular domains derived from E-cadherin. Proteins comprising the transmembrane domain localized to the membrane fraction (PMID: 15922730, 26373379).

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:

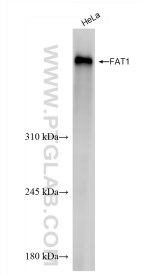
T: 4006900926

E: Proteintech-CN@ptglab.com

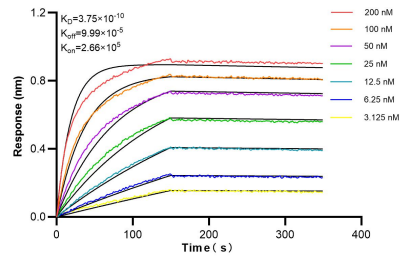
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 84279-3-RR (FAT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84279-3-RR against Human FAT1 were performed. The affinity constant is 0.375 nM.