

For Research Use Only

FAT1 Polyclonal antibody

Catalog Number: 30733-1-AP



Basic Information

Catalog Number: 30733-1-AP	GenBank Accession Number: GeneID (NCBI): 2195	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	UNIPROT ID: Q14517	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:50-1:500
Source: Rabbit	Full Name: FAT tumor suppressor homolog 1 (Drosophila)	
Isotype: IgG	Observed MW: 506-600 kDa	
Immunogen Catalog Number: AG33957		

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human	WB : HeLa cells, Jurkat cells
	IHC : human prostate hyperplasia tissue,

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

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

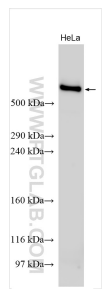
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

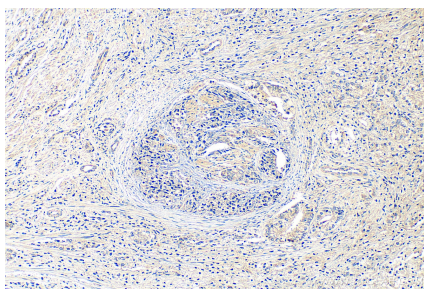
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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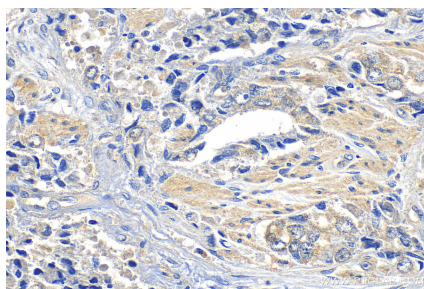
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30733-1-AP (FAT1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 30733-1-AP (FAT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 30733-1-AP (FAT1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).