

For Research Use Only

FAT4 Polyclonal antibody

Catalog Number: 33468-1-AP



Basic Information

Catalog Number: 33468-1-AP	GenBank Accession Number: NM_001291285	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 370 ug/ml by Nanodrop;	GeneID (NCBI): 79633	Recommended Dilutions: WB: 1:500-1:1000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q6V0I7	
Isotype: IgG	Full Name: FAT tumor suppressor homolog 4 (Drosophila)	
Immunogen Catalog Number: AG37862	Calculated MW: 4981aa, 543 kDa	
	Observed MW: 540 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

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

Positive Controls:

WB : HGC-27 cells, HUVEC cells, MDA-MB-231 cells

IHC : human colon cancer tissue,

Background Information

FAT4 is a large transmembrane protein with a mass of approximately 530 kDa. It belongs to the cadherin superfamily and contains multiple cadherin repeats EGF-like domains and one laminin G-like domain. FAT4 is expressed widely across tissues with higher expression observed in the kidney liver and cardiovascular system indicating its involvement in diverse physiological processes. This protein plays a role in maintaining cell adhesion and communication.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

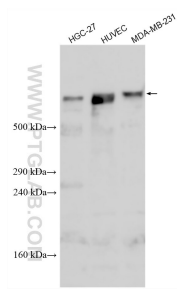
For technical support and original validation data for this product please contact:

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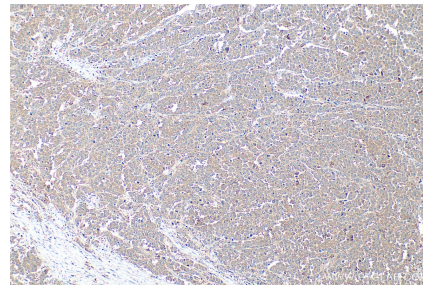
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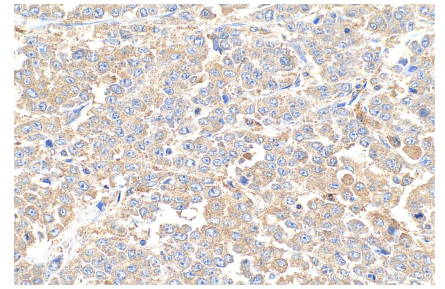
Selected Validation Data



Various lysates were subjected to Tris-Acetate gel system followed by western blot with 33468-1-AP (FAT4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 33468-1-AP (FAT4 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 colon cancer tissue slide using 33468-1-AP (FAT4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).