

For Research Use Only

FAM172A Polyclonal antibody

Catalog Number: 24732-1-AP



Basic Information

Catalog Number: 24732-1-AP	GenBank Accession Number: BC020584	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 83989	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	Full Name: family with sequence similarity 172, member A	
Isotype: IgG	Calculated MW: 416 aa, 48 kDa	
Immunogen Catalog Number: AG20437	Observed MW: 50-55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse colon tissue, rat colon tissue IHC : human liver 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

Family with sequence similarity 172 member A (FAM172A), cloned from human aortic tissues, is subsequently observed in human endothelial and vascular smooth muscle cells, and macrophages. As the imbalance of the cell cycle and apoptosis is closely related to the key characteristics of malignant tumors, FAM172A dysregulation is a potential contributing factor in cell transformation. Recently, FAM172A has been reported to take part in the development of several cancers, such as human liver, colorectal and papillary thyroid cancers. Moreover, FAM172A was upregulated by high glucose in a concentration- and time-dependent manner which indicated that FAM172A may be involved in the pathogenesis of diabetic related diseases. FAM172A has 4 isoforms with the molecular mass of 34-36, 43 and 48 kDa. This antibody was detected at 50-55 kDa on SDS-PAGE. (PMID: 31988090, 26637224)

Storage

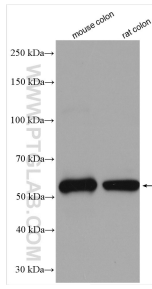
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

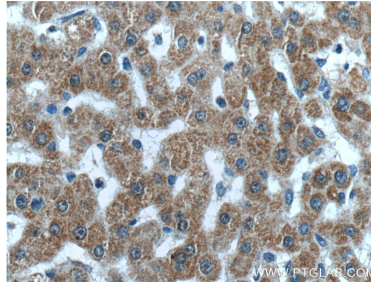
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24732-1-AP (FAM172A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24732-1-AP (FAM172A Antibody) at dilution of 1:200 (under 40x lens).