

For Research Use Only

FO XK1 Polyclonal antibody

Catalog Number: 29338-1-AP



Basic Information

Catalog Number: 29338-1-AP	GenBank Accession Number: NM_001037165	Purification Method: Antigen affinity purification
Size: 450 ug/ml	GeneID (NCBI): 221937	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P85037	
Isotype: IgG	Full Name: forkhead box K1	
Immunogen Catalog Number: AG28820	Calculated MW: 75 kDa	
	Observed MW: 90-100 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 : Jurkat cells, MDA-MB-231 cells, MKN-45 cells

IHC : human colon cancer tissue,

Background Information

Forkhead box (FOX) domains bind DNA and consist of 2 loops connecting beta-sheets that flank an alpha-helix, which is a group of highly conserved transcription factors. Forkhead box k1 (FO XK1) also known as MNF, is a transcription factor that belongs to the forkhead family consisting of the winged-helix DNA-binding domain and the N-terminal and C-terminal transcriptional domains (PMID: 15289879, PMID: 27223064). There are two isoforms of FoxK1: FoxK1- α and FoxK1- β . FoxK1- α (90 kDa) is expressed in committed myoblasts and differentiated myotubes, while FoxK1- β (55 kDa) is expressed mainly in quiescent satellite cells (PMID: 9271401).

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:

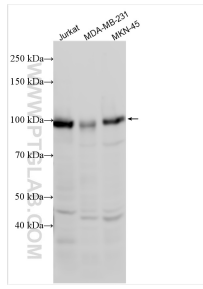
T: 4006900926

E: Proteintech-CN@ptglab.com

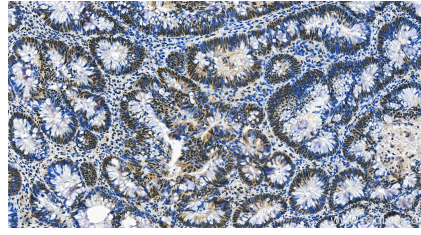
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

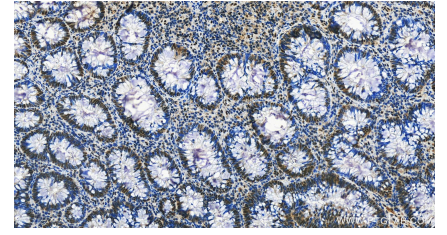
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29338-1-AP (FOXK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29338-1-AP (FOXK1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29338-1-AP (FOXK1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).