

For Research Use Only

FO XK1 Recombinant antibody

Catalog Number: 86452-1-RR



Basic Information

Catalog Number: 86452-1-RR	GenBank Accession Number: NM_001037165	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 221937	CloneNo.: 251186A11
Source: Rabbit	UNIPROT ID: P85037	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:500-1:2000
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, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

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 : HepG2 cells, HeLa cells, HEK-293T cells, Jurkat cells, K-562 cells, NIH/3T3 cells, PC-12 cells

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

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 (FOXK1) 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

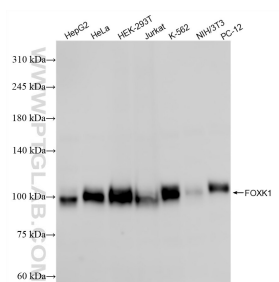
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

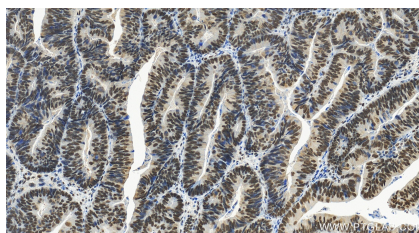
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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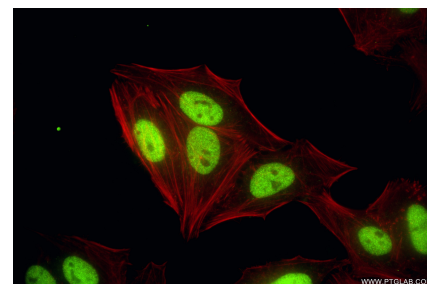
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86452-1-RR (FOXK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86452-1-RR (FOXK1 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FOXK1 antibody (86452-1-RR, Clone: 251186A11) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).