

For Research Use Only

FOXK1 Recombinant antibody, PBS Only

Catalog Number: 86452-1-PBS



Basic Information

Catalog Number:	86452-1-PBS	GenBank Accession Number:	NM_001037165	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	221937	CloneNo.:	251186A11
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, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

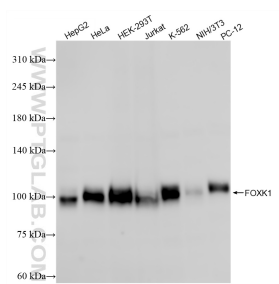
T: 4006900926

E: Proteintech-CN@ptglab.com

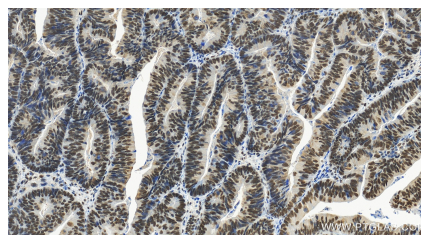
W: ptgcn.com

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

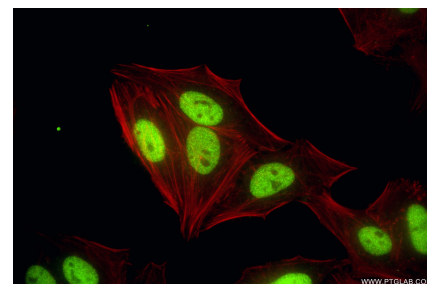
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86452-1-RR (FOXK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86452-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86452-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 86452-1-PBS in a different storage buffer formulation.