

For Research Use Only

FOXK1 Polyclonal antibody, PBS Only

Catalog Number: 29338-1-PBS



Basic Information

Catalog Number:

29338-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28820

GenBank Accession Number:

NM_001037165

GeneID (NCBI):

221937

UNIPROT ID:

P85037

Full Name:

forkhead box K1

Calculated MW:

75 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

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.

Storage Buffer:

PBS Only

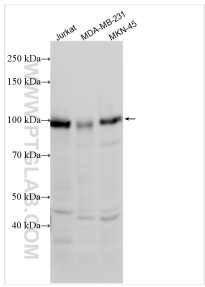
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

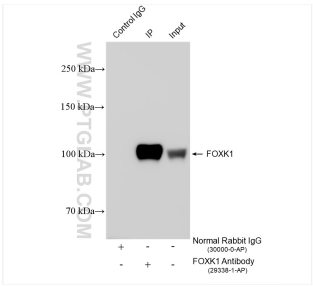
E: proteintech@ptglab.com
W: ptglab.com

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

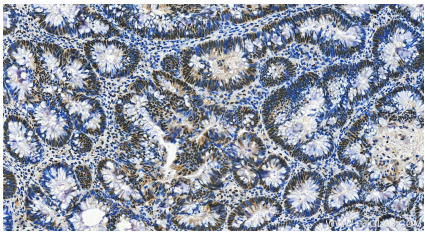
Selected Validation Data



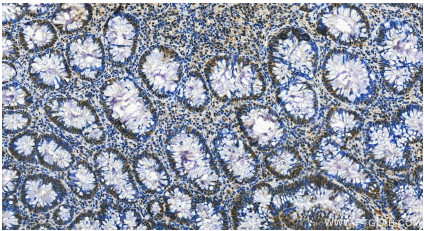
Various lysates were subjected to SDS PAGE followed by western blot with 29338-1-AP (FOXK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29338-1-PBS in a different storage buffer formulation.



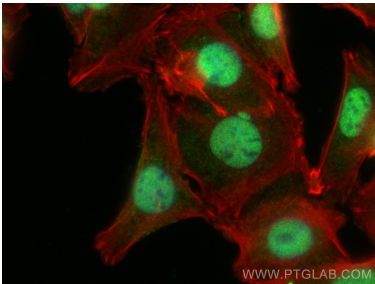
IP result of anti-FOXK1 (IP:29338-1-AP, 4ug; Detection:29338-1-AP 1:3000) with K-562 cells lysate 1800 ug. This data was developed using the same antibody clone with 29338-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29338-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29338-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed SW480 cells using FOXK1 antibody (29338-1-AP) at dilution of 1:400 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 29338-1-PBS in a different storage buffer formulation.