

For Research Use Only

FO XK1 Polyclonal antibody

Catalog Number: 29338-1-AP



Basic Information

Catalog Number:

29338-1-AP

Size:

150ul , Concentration: 450 ug/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

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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

IP : K-562 cells,

IHC : human colon cancer tissue,

IF/ICC : SW480 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

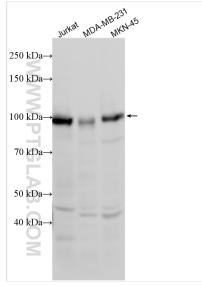
For technical support and original validation data for this product please contact:

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

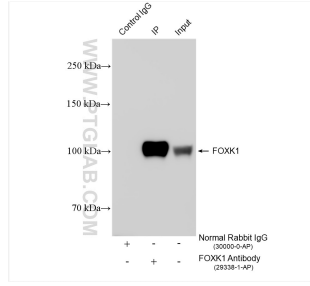
E: proteintech@ptglab.com
W: ptglab.com

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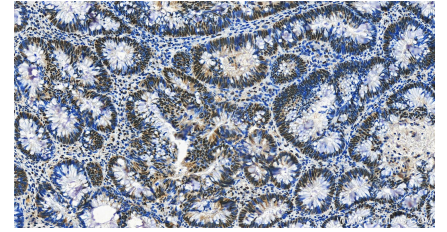
Selected Validation Data



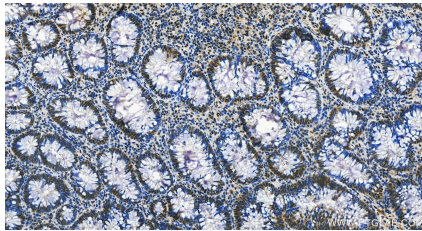
Various lysates were subjected to SDS PAGE followed by western blot with 29338-1-AP (FOXK1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



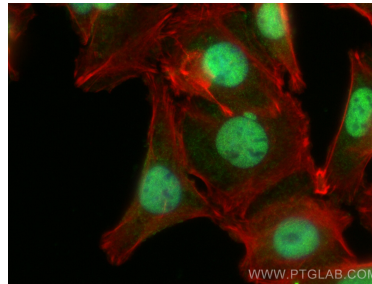
IP result of anti-FOXK1 (IP:29338-1-AP, 4ug;
Detection:29338-1-AP 1:3000) with K-562 cells
lysate 1800 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29338-1-AP (FOXP1 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).



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).