

For Research Use Only

FOXM1 Recombinant antibody

Catalog Number: 84681-1-RR



Basic Information

Catalog Number: 84681-1-RR	GenBank Accession Number: BC006192	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 2305	CloneNo.: 242077A7
Source: Rabbit	UNIPROT ID: Q08050	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: forkhead box M 1	
Immunogen Catalog Number: AG3729	Calculated MW: 83 kDa	
	Observed MW: 84-110 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : L02 cells, A431 cells, HT-29 cells, U2OS cells
Species Specificity: human	

Background Information

Forkhead box M1 (FOXM1), also named as HNF-3, HFH-11 or Trident, belongs to a superfamily of Fox transcription factors. FOXM1 is strongly associated with cell proliferation, it plays a important role in cell cycle progression by regulating both G1/S and G2/M phases, it is also involved in DNA damage repair, angiogenesis, apoptosis and tissue regeneration. Recently, crucial roles of this transcription factor were found in the development and progression of many cancers including colorectal, lung, prostate, liver and breast cancer. FOXM1 levels are significantly higher and associated with tumor grade in most human tumors, rendering it a potential target of cancer diagnosis and therapies. Catalog#13147-1-AP is a rabbit polyclonal antibody raised against C-terminal of human FOXM1. And this antibody can recognize three kinds of FOXM1, FOXM1-pp (~95-110kDa), FOXM1-B (isoform2, ~83kDa) and FOXM1A (isoform4, ~90kDa). Sometimes a molecular weight of about 65 kDa can also be observed, which may be a degradation form of FOXM1 (PMID: 26547933).

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:

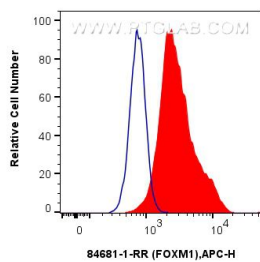
T: 4006900926

E: Proteintech-CN@ptglab.com

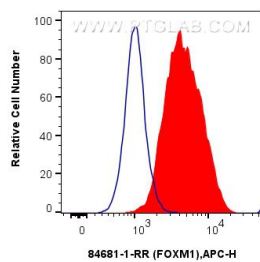
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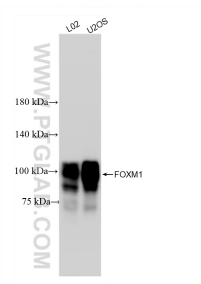
Selected Validation Data



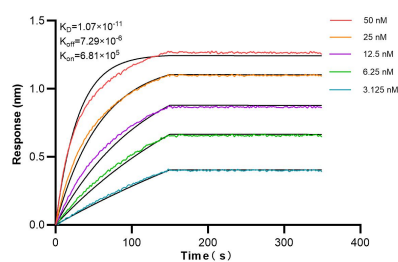
1x10⁶ HeLa cells were intracellularly stained with 0.25 ug FOXM1 Recombinant antibody (84681-1-RR, Clone:242077A7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



1x10⁶ A549 cells were intracellularly stained with 0.25 ug FOXM1 Recombinant antibody (84681-1-RR, Clone:242077A7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



LO2 cells were subjected to SDS PAGE followed by western blot with 84681-1-RR (FOXM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84681-1-RR against Human FOXM1 were performed. The affinity constant is 10.7 pM.