

For Research Use Only

Phospho-FOXO1 (Ser319) Recombinant antibody

Catalog Number: 82997-7-RR



Basic Information

Catalog Number: 82997-7-RR	GenBank Accession Number: BC021981	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2308	CloneNo.: 250275C3
Source: Rabbit	UNIPROT ID: Q12778	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: forkhead box O1	
	Calculated MW: 655 aa, 70 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells,
Species Specificity: human	

Background Information

The forkhead box class O (FoxO) family in mammals is comprised of the evolutionally highly conserved forkhead transcription factors, FoxO1, FoxO3a, FoxO4, and FoxO6. FoxO1 is highly expressed in lymphoid cells, especially in T and B cells. FoxO1 phosphorylation determines the transcriptional activity and cellular localization of FoxO1. Results showed that GLK-IKK β signaling triggered the nuclear export of FoxO1. (PMID: 35966593)

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

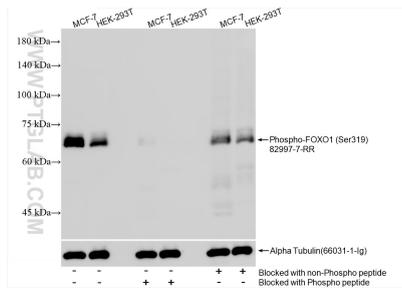
For technical support and original validation data for this product please contact:

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

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

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Selected Validation Data



HEK-293T and MCF-7 cell lysates were subjected to SDS PAGE followed by western blot with 82997-7-RR (Phospho-FOXO1 (Ser319) antibody) blocked with BSA only, Phospho-FOXO1 (Ser319) peptide or non-Phospho peptide at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.