

For Research Use Only

Phospho-FOXO1 (Ser319) Recombinant antibody

Catalog Number: 82997-7-RR



Basic Information

Catalog Number:

82997-7-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC021981

GeneID (NCBI):

2308

UNIPROT ID:

Q12778

Full Name:

forkhead box O1

Calculated MW:

655 aa, 70 kDa

Observed MW:

70-80 kDa

Purification Method:

Protein A purification

CloneNo.:

250275C3

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: MCF-7 cells,

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

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

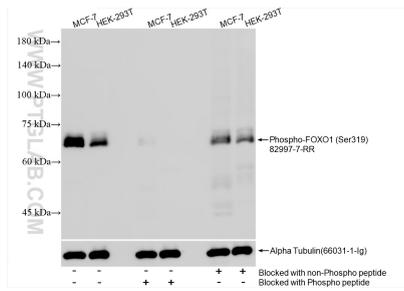
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Selected Validation Data



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.