

For Research Use Only

Phospho-FOXO1 (Ser319) Polyclonal antibody



Catalog Number: 28757-1-AP

Basic Information

Catalog Number:

28757-1-AP

Size:

260 µg/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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : MCF-7 cells, Cobalt Chloride treated 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

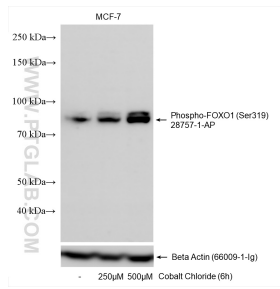
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Selected Validation Data



Non-treated MCF-7 cells and Cobalt Chloride treated MCF-7 cells were subjected to SDS PAGE followed by western blot with 28757-1-AP (Phospho-FOXO1 (Ser319) antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin antibody as loading control.