Product Datasheet

Phospho-FOXO3A (Ser253) Rabbit mAb

Catalog No: #52289

Package Size: #52289-1 50ul #52289-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

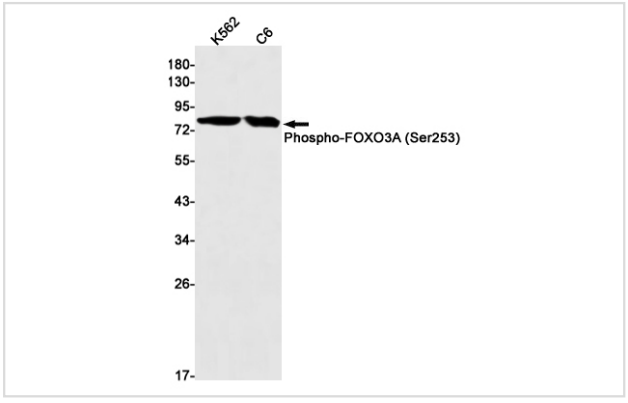
Description

Product Name	Phospho-FOXO3A (Ser253) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-2G6
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Ser253 of human FOXO3A
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2
Accession No.	Swiss-Prot:O43524GeneID:2309
Uniprot	O43524
GeneID	2309
Calculated MW	Calculated MW: 71 kDa; Observed MW: 82 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of Phospho-FOXO3A (Ser253) in K562,C6 cell lysates using Phospho-FOXO3A (Ser253) Rabbit mAb(1:1000 diluted).Predicted band size:71kDa.Observed band size:82kDa.

Background

Swiss-Prot Acc.O43524.Transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress (PubMed:10102273, PubMed:16751106). Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3' (PubMed:21329882). Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation (PubMed:21329882). In response to metabolic stress, translocates into the mitochondria where it promotes mtDNA transcription (PubMed:23283301).

Note: This product is for in vitro research use only