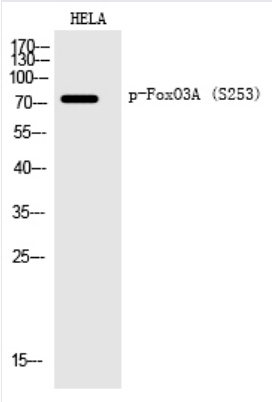
FoxO3A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FoxO3A, Polyclonal Antibody
Full Product Name	FoxO3A (Phospho-Ser253) Polyclonal Antibody
Product Gene Name	anti-FoxO3A antibody
Product Synonym Names	FOXO3; FKHRL1; FOXO3A; Forkhead box protein O3; AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	Phospho-FoxO3A (S253) Polyclonal Antibody detects endogenous levels of FoxO3A protein only when phosphorylated at S253.
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	48,406 Da
OMIM	602681
3D Structure	ModBase 3D Structure for O43524
Immunogen Type	peptide
Immunogen Description	Synthesized peptide derived from human FoxO3A around the phosphorylation site of S253.
Modification	Phospho-Ser253
Target Species	Human
Target Name	FoxO3A
Product Categories/Family for anti-FoxO3A antibody	Phospho-specific Ab
Applications Tested/Suitable for anti-FoxO3A antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-FoxO3A antibody	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:100 - 1:300 Immunofluorescence: 1:200 - 1:1000 ELISA: 1:20000 Not yet tested in other applications
Related Product Information for anti-FoxO3A antibody	MBS9402018 is an antibody targeting FoxO3A. Also known as FoxO3A (Phospho-Ser253) Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-FoxO3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-FoxO3A antibody
Western Blot analysis of HELA cells using Phospho-FoxO3A (S253) Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FoxO3A. It may not necessarily be applicable to this product.

NCBI GI #	4503739
NCBI GeneID	2309
NCBI Accession #	NP_001446.1
UniProt Primary Accession #	O43524
UniProt Secondary Accession #	O15171; Q5T2I7; Q9BZ04; B4DVZ6; E1P5E6
UniProt Related Accession #	O43524
GenBank Nucleotide #	NM_001455.3
NCBI Official Full Name	forkhead box protein O3
NCBI Official Synonym Full Names	forkhead box O3
NCBI Official Symbol	FOXO3
NCBI Official Synonym Symbols	FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2
UniProt Protein Name	Forkhead box protein O3
UniProt Synonym Protein Names	AF6q21 protein; Forkhead in rhabdomyosarcoma-like 1
UniProt Gene Name	FOXO3
UniProt Synonym Gene Names	FKHRL1; FOXO3A
UniProt Entry Name	FOXO3_HUMAN
NCBI Protein Information	forkhead box protein O3
NCBI Summary for FoxO3A	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

UniProt Comments for FoxO3A	FOXO3A: a transcription factors of the forkhead family. Contains 1 fork-head domain. May regulate apoptosis through control of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Protein type: Autophagy; DNA-binding; Oncoprotein; Transcription factor Chromosomal Location of Human Ortholog: 6q21 Cellular Component: nucleoplasm; membrane; cytoplasm; nucleus; cytosol Molecular Function: protein binding; DNA binding; chromatin DNA binding; sequence-specific DNA binding; transcription factor activity; protein kinase binding Biological Process: epidermal growth factor receptor signaling pathway; transcription from RNA polymerase II promoter; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; DNA damage response, signal transduction by p53 class mediator; nerve growth factor receptor signaling pathway; initiation of primordial ovarian follicle growth; positive regulation of transcription, DNA-dependent; antral ovarian follicle growth; positive regulation of erythrocyte differentiation; negative regulation of transcription from RNA polymerase II promoter; glucose homeostasis; ovulation from ovarian follicle; oocyte maturation; regulation of translation; regulation of transcription from RNA polymerase II promoter; positive regulation of neuron apoptosis; innate immune response; positive regulation of transcription from RNA polymerase II promoter
Research Articles on FoxO3A	**1.** FoxO3a is a negative regulator of autophagy in multiple cancer cell lines.
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