

Rabbit anti-Human FOXO3A Monoclonal Antibody | anti-FOXO3A antibody

FOXO3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312168	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

FOXO3A; Monoclonal Antibody; FOXO3A Antibody; AF6q21 antibody; AF6q21 protein antibody; DKFZp781A0677 antibody; FKHR2 antibody; FKHL 1 antibody; FKHL1 antibody; FKHL1P2 antibody; Forkhead (Drosophila) homolog (rhabdomyosarcoma) like 1 antibody; Forkhead box O3 antibody; Forkhead box O3A antibody; Forkhead box protein O3 antibody; Forkhead box protein O3A antibody; Forkhead Drosophila homolog of in rhabdomyosarcoma like 1 antibody; Forkhead homolog (rhabdomyosarcoma) like 1 antibody; Forkhead in rhabdomyosarcoma like 1 antibody; Forkhead in rhabdomyosarcoma-like 1 antibody; FOX O3A antibody; FOXO2 antibody; foxo3 antibody; FOXO3_HUMAN antibody; FOXO3A antibody; MGC12739 antibody; MGC31925 antibody; anti-FOXO3A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	SP0054
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-FOXO3A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



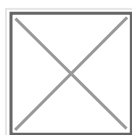
ICC (Immunocytochemistry)

ICC staining FOXO3A in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



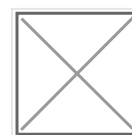
ICC (Immunocytochemistry)

ICC staining FOXO3A in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining FOXO3A in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)

Western blot analysis of FOXO3A on different lysates using anti- FOXO3A antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3 Lane 2: PC-12 Lane 3: MCF-7

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO3A antibody	FKHRL1 (forkhead in rhabdomyosarcoma-like 1), also known as FOXO3 (forkheadbox O3) or FOXO3A, is a 673 amino acid transcriptional activator that belongs to the FKHR subfamily of forkhead transcription factors. Transcriptional activation of FKHR proteins is regulated by the serine/threonine kinase Akt1, which phosphorylates FKHRL1 at Threonine 32 and Serine 253. Phosphorylation by Akt1 negatively regulates FKHRL1 by promoting its export from the nucleus. Phosphorylated FKHRL1 associates with 14-3-3 proteins and this complex is retained in the cytoplasm. Growth factor withdrawal stimulates FKHRL1 dephosphorylation and nuclear translocation, leading to FKHR-induced gene-specific transcriptional activation. Within the nucleus, dephosphorylated FKHRL1 triggers apoptosis by inducing the expression of genes that are critical for cell death.
Product Categories/Family for anti-FOXO3A antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503739
NCBI GeneID	2309
NCBI Accession #	NP_001446.1
NCBI GenBank Nucleotide #	NM_001455.3
UniProt Accession #	O43524; O15171; Q5T2I7; Q9BZ04; E1P5E6
Molecular Weight	71,277 Da
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
NCBI Protein Information	forkhead box protein O3; forkhead box O3A; forkhead in rhabdomyosarcoma-like 1; forkhead homolog (rhabdomyosarcoma) like 1; forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1
UniProt Protein Name	Forkhead box protein O3
UniProt Gene Name	FOXO3
UniProt Synonym Gene Names	FKHRL1; FOXO3A
UniProt Entry Name	FOXO3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/foxo3a-antibody-clone-sp0054-immunofluorescence-immunocytochemistry-western-blot-elisa/312168>