

Rabbit FOXO1 Polyclonal Antibody | anti-FOXO1 antibody

FOXO1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40274	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

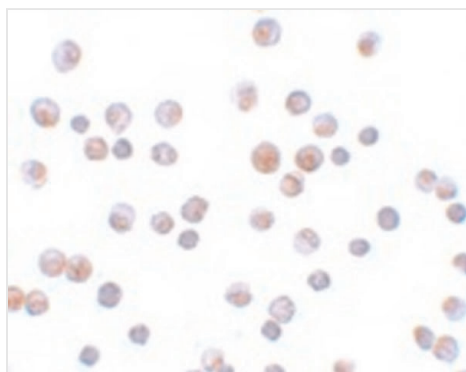
PRODUCT SYNONYMS

FOXO1; Polyclonal Antibody; FOXO1 Antibody; FKHI; FKHR; FOXO1A; Forkhead box protein O1; Forkhead box protein O1A; forkhead box O1; anti-FOXO1 antibody

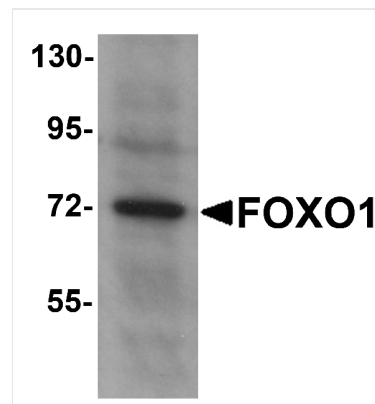
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	FOXO1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	655
Applicable Applications for anti-FOXO1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FOXO1 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human FOXO1.
Buffer	FOXO1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


ICC (Immunocytochemistry)

Immunocytochemistry of FOXO1 in HeLa cells with FOXO1 antibody at 4 &#956;g/mL.


WB (Western Blot)

Western blot analysis of FOXO1 in HeLa cell lysate with FOXO1 antibody at 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO1 antibody	FOXO1 Antibody: FOXO1, also known as FKHR or ForkHead in Rhabdomyosarcoma, is a 70 kDa protein which is a ubiquitously expressed member of a subfamily of the forkhead homeotic gene family of transcription factors and shuttles between the cytoplasm and nucleus. FOXO transcription factors are key players of cell fate decisions, metabolism, stress resistance, tumor suppression and are regulated by growth factors, oxidative stress or nutrient deprivation. In insulin-responsive tissues, stress or nutrient abundance triggers phosphorylation by PKB/AKT, blocking nuclear translocation and activity. Genetic mutations involving FOXO1A are a cause of alveolar rhabdomyosarcoma (RMS2). Recent studies link the anti-tumor activity of FOXO1 and the process of autophagy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9257222
NCBI GeneID	2308
NCBI Accession #	NP_002006
NCBI GenBank Nucleotide #	NM_002015.3
UniProt Accession #	Q12778; O43523; Q5VYC7; Q6NSK6
Molecular Weight	69,662 Da
NCBI Official Full Name	forkhead box protein O1
NCBI Official Synonym Full Names	forkhead box O1
NCBI Official Symbol	FOXO1
NCBI Official Synonym Symbols	FKH1; FKHR; FOXO1A
NCBI Protein Information	forkhead box protein O1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma
UniProt Protein Name	Forkhead box protein O1
UniProt Gene Name	FOXO1
UniProt Synonym Gene Names	FKHR; FOXO1A
UniProt Entry Name	FOXO1_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.