

Rabbit FOXO4 Polyclonal Antibody | anti-FOXO4 antibody

FOXO4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39213	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

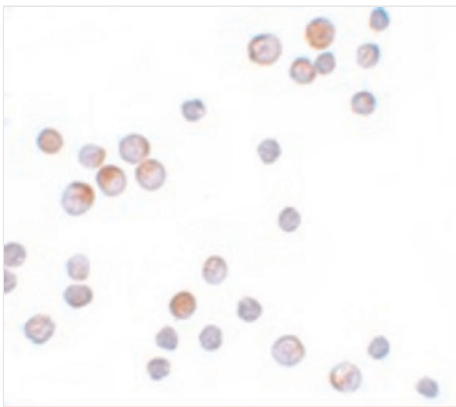
PRODUCT SYNONYMS

FOXO4; Polyclonal Antibody; FOXO4 Antibody; AFX; AFX1; MLLT7; Forkhead box protein O4; Fork head domain transcription factor AFX1; forkhead box O4; anti-FOXO4 antibody

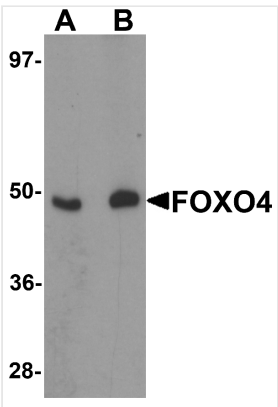
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	FOXO4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	505
Applicable Applications for anti-FOXO4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FOXO4 antibody was raised against a 16 amino acid synthetic peptide near the amino terminus of human FOXO4.
Buffer	FOXO4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	FOXO4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry of FOXO4 in HeLa cells with FOXO4 antibody at 10 μ g/mL.



WB (Western Blot)
Western blot analysis of FOXO4 in HeLa cell lysate with FOXO4 antibody at (A) 0.5 and (B) 1 μ g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO4 antibody

FOXO4 Antibody: FOXO4 is a ubiquitously expressed protein 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 the absence of PI3K/AKT activation, FOXO4 localizes in the nucleus where it functions as a transcription factor. FOXO4 can also be phosphorylated by JNK following induction of reactive oxygen species (ROS), resulting in transcriptional activation and the induction of a negative feedback mechanism to counteract the ROS. It is through this mechanism that FOXO4 is thought to sensitize cancer cells to doxorubicin-mediated toxicity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	103472003
NCBI GeneID	4303
NCBI Accession #	NP_005929
NCBI GenBank Nucleotide #	NM_005938.3
UniProt Accession #	P98177; O43821; Q13720; Q3KPF1; Q8TDK9; B7WPJ7
Molecular Weight	47,941 Da
NCBI Official Full Name	forkhead box protein O4 isoform 1
NCBI Official Synonym Full Names	forkhead box O4
NCBI Official Symbol	FOXO4
NCBI Official Synonym Symbols	AFX; AFX1; MLLT7
NCBI Protein Information	forkhead box protein O4; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7
UniProt Protein Name	Forkhead box protein O4
UniProt Gene Name	FOXO4
UniProt Synonym Gene Names	AFX; AFX1; MLLT7
UniProt Entry Name	FOXO4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxo4-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39213>