

Rabbit FOXO4 Polyclonal Antibody | anti-FOXO4 antibody

FOXO4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301497	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

FOXO4; Polyclonal Antibody; FOXO4 Antibody; Forkhead box O4; FOXO4A; AFX; AFX1; MLLT7; anti-FOXO4 antibody

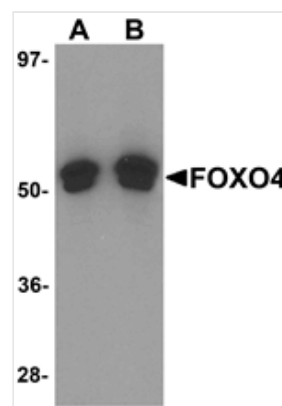
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	505
Applicable Applications for anti-FOXO4 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human FOXO4.
Target Name	FOXO4
Preparation and Storage	Can be stored at -20 degree C, stable for 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 ug/mL.



WB (Western Blot)
Western blot analysis of FOXO4 in A-20 cell lysate with FOXO4 antibody at (A) 0.5 and (B) 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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.
Product Categories/Family for anti-FOXO4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	103472003
NCBI GeneID	4303
NCBI Accession #	NP_005929
NCBI GenBank Nucleotide #	NM_005938.3
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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/foxo4-antibody-immunocytochemistry-western-blot-elisa/301497>