

Rabbit Forkhead box protein O3 Polyclonal Antibody | anti-FOXO3 antibody

Anti-FOXO3A Antibody

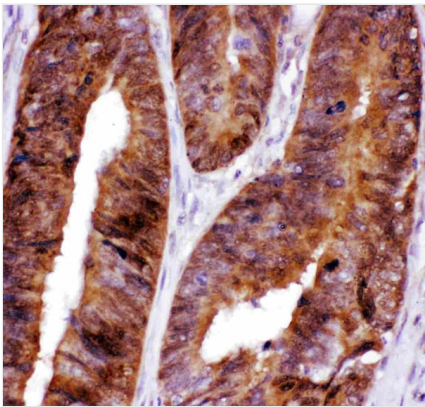
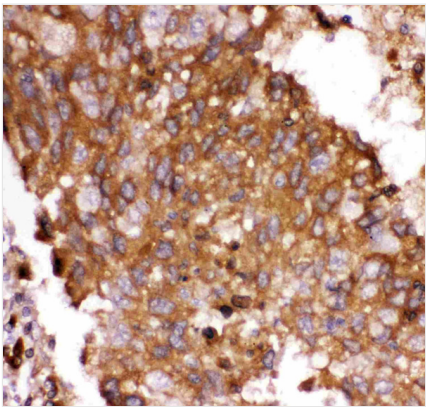
CATALOG # AAA46038	HOST Rabbit	REACTIVITY Human, Rat. No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Forkhead box protein O3; Polyclonal Antibody; Anti-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; forkhead box O3; anti-FOXO3 antibody

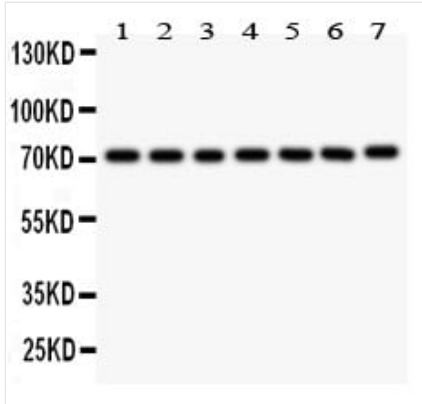
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	673
Applicable Applications for anti-FOXO3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human FOXO3A recombinant protein (Position: Q471-G673). Human FOXO3A shares 97% amino acid (aa) sequence identity with mouse FOXO3A.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

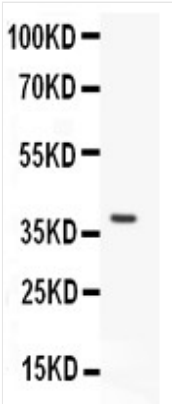


IHC (Immunohistochemistry)
Anti- FOXO3A antibody, AAA46038,IHC(P)IHC(P): Human Lung Cancer Tissue

IHC (Immunohistochemisry)
Anti- FOXO3A antibody, AAA46038,IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Anti- FOXO3A antibody, AAA46038, Western blottingAll lanes: Anti FOXO3A (AAA46038) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: NRK Whole Cell Lysate at 40ugLane 3: PC-12Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: K562 Whole Cell Lysate at 40ugLane 7: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 71KDObserved bind size: 71KD



WB (Western Blot)
Anti- FOXO3A antibody, AAA46038, Western blottingAll lanes: Anti FOXO3A (AAA46038) at 0.5ug/mlWB: Recombinant Human FOXO3A Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO3 antibody

Description: Rabbit IgG polyclonal antibody for Forkhead box protein O3(FOXO3) detection. Tested with WB, IHC-P in Human;Rat.

Background: Forkhead box O3, also known as FKHL1 or FOXO3a, is a human protein encoded by the FOXO3 gene. FOXO3 belongs to the O subclass of the forkhead family of transcription factors which are characterized by a distinct fork head DNA-binding domain. It is mapped to 6q21. This protein likely functions as a trigger for apoptosis through upregulation of genes necessary for cell death, such as Bim and PUMA, or downregulation of anti-apoptotic proteins such as FLIP. In mammals FOXO3 regulates the resistance of cells to stress by inducing DNA repair and thereby may also affect organismal life span. In addition, it is thought that FOXO3 is also involved in protection from oxidative stress by upregulating antioxidants such as catalase and MnSOD.

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; B4DVZ6; E1P5E6
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; FKHL1; FOXO3A; FKHL1P2
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	FKHL1; 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/polyclonal/forkhead-box-protein-o3-antibody-immunohistochemistry-western-blot-elisa/46038>