

Rabbit anti-Human FOXO1a Polyclonal Antibody | anti-FOXO1a antibody

Rabbit anti-FOXO1a Antibody, Affinity Purified

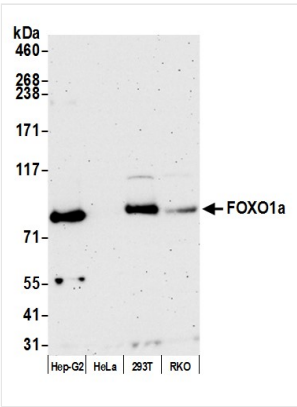
CATALOG # AAA210869	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

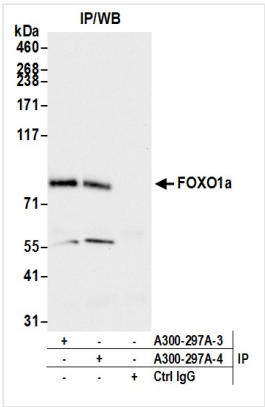
FOXO1a; Polyclonal Antibody; Rabbit anti-FOXO1a Antibody; Affinity Purified; forkhead box protein O1A; FOXO1A; Forkhead in rhabdomyosarcoma; forkhead box protein O1; FKHR; FKH1; forkhead; Drosophila; homolog of; in rhabdomyosarcoma; Forkhead box protein O1; forkhead box O1; anti-FOXO1a antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-FOXO1a antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Rat, Bovine, Pig
Immunogen	Between 605 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human FOXO1a by western blot. Samples: Whole cell lysate (50 ug) from Hep-G2, HeLa, HEK293T, and RKO cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-FOXO1a antibody AAA210869 (lot AAA210869-4) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)
Detection of human FOXO1a by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hep-G2 cells prepared using NETN lysis buffer. Antibodies: Affinity purified Rabbit anti-FOXO1a antibody AAA210869 (lot AAA210869-4) used for IP at 6 ug per reaction. FOXO1a was also immunoprecipitated by a previous lot of this antibody (lot AAA210869-3). For blotting immunoprecipitated FOXO1a, AAA210869 was used at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO1a antibody	Forkhead box protein O1A (FOXO1a) belongs to a large family of Forkhead proteins that possesses a winged-helix DNA-binding domain called Forkhead box (FOX). FOXO1 is a transcription factor that integrates cell signals to mediate metabolism, the cell cycle, DNA repair, and response to cellular stress. In response to insulin, FOXO1 is phosphorylated by Akt and excluded from the nucleus and subsequently degraded. Over-expressed cytoplasmic FOXO1 interacts with TSC2 to cause its degradation and subsequent activation of the mTOR pathway; while nuclear localization inhibits the mTOR pathway.
Product Categories/Family for anti-FOXO1a antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	9257222
NCBI GeneID	2308
NCBI Accession #	NP_002006.2
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

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/foxo1a-antibody-immunoprecipitation-western-blot-elisa/210869>