

Rabbit FOXO1A Monoclonal Antibody | anti-FOXO1A antibody

FOXO1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30069	Rabbit	Human, Mouse, Rat, Zebrafish	Western Blot, Immunocytochemistry, Immunohistochemistry

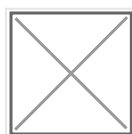
PRODUCT SYNONYMS

FOXO1A; Monoclonal Antibody; FOXO1A Antibody; FKH 1 antibody; FKH1 antibody; FKHR antibody; Forkhead (Drosophila) homolog 1 (rhabdomyosarcoma) antibody; Forkhead box O1 antibody; Forkhead box protein O1 antibody; Forkhead box protein O1A antibody; Forkhead in rhabdomyosarcoma antibody; Forkhead; Drosophila; homolog of; in rhabdomyosarcoma antibody; FoxO transcription factor antibody; foxo1 antibody; FOXO1_HUMAN antibody; FOXO1A antibody; OTTHUMP00000018301 antibody; anti-FOXO1A antibody

PRODUCT SPECIFICATIONS

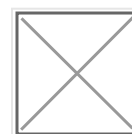
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Monoclonal
Clone Number	SU33-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-FOXO1A antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



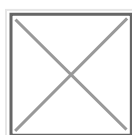
ICC (Immunocytochemistry)

ICC staining FOXO1A in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



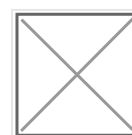
ICC (Immunocytochemistry)

ICC staining FOXO1A in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining FOXO1A in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-FOXO1A antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-FOXO1A antibody	FKHR (for forkhead in rhabdomyosarcoma) and FKHL1 are members of the forkhead family of transcription factors. Transcriptional activation of FKHR proteins is regulated by the serine/threonine kinase Akt1, which phosphorylates FKHL1 and results in FKHL1 associating with 14-3-3 proteins and being retained in the cytoplasm. Induction of apoptosis or withdrawal of growth factors stimulates dephosphorylation and nuclear translocation of FKHR proteins, leading to FKHR-induced gene-specific transcriptional activation. FKHR, also designated forkhead box protein O1A (FOXO1), is a ubiquitously expressed protein that shuttles between the cytoplasm and nucleus. Genetic mutations in FKHR genes, including the t (2;13) and t (1;3) translocations, are commonly found in alveolar rhabdomyosarcomas. These translocations result in the fusion of the amino terminus of Pax-3 or Pax-7, including the paired box and homeodomain DNA-binding domains, with the carboxy-terminus of FKHR, which contains a transcriptional activation domain. The Pax-3/FKHR fusion protein appears to function as an oncogenic transcription factor that enhances the activation of normal Pax-3 target genes.
Product Categories/Family for anti-FOXO1A antibody	Total protein Ab

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
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/foxo1a-antibody-clone-su33-01-western-blot-immunocytochemistry-immunohistochemistry-elisa/30069>