

Rabbit anti-Human, Mouse Forkhead Box Protein O1 (FOXO1) Polyclonal Antibody | anti-FOXO1 antibody

Polyclonal Antibody to Forkhead Box Protein O1 (FOXO1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20319	Rabbit	Human, Mouse	Immunocytochemistry, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Forkhead Box Protein O1 (FOXO1); Polyclonal Antibody; Polyclonal Antibody to Forkhead Box Protein O1 (FOXO1); anti-FOXO1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against FOXO1. It has been selected for its ability to recognize FOXO1 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Supplied as solution form in PBS, pH7.4, containing 0.02% Na ₃ , 50% glycerol.
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQQMGRGS- TEQDDLGEVD VHSMVYPPSA AKMASTLPSL SEISNPENME NLLDNLNLLS SPTSLTVSTQ SSPGTMMQQT PCYSFAPPNT SLNSPSPNYQ KYTYGQSSMS PLPQMPIQTL QDNKSSYGGM SQYNCAPELL KELLTSDSPP HNDIMTPVDP GVAQPNSRVL GQNVMMGPNS VMSTYGSQAS HNKMMNPS
Sequence Length	655
Applicable Applications for anti-FOXO1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Application Notes	Western blotting: 1:100-400 Immunocytochemistry in formalin fixed cells: 1:100-500 Immunohistochemistry in formalin fixed frozen section: 1:100-500 Immunohistochemistry in paraffin section: 1:50-200 Enzyme-linked Immunosorbent Assay: 1:100-200
Immunogen	Recombinant FOXO1 (Thr333-Gln557) expressed in E.coli.
Cross Reactivity	Human, Mouse
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
DAB staining on formalin fixed paraffin-embedded esophagus cancer tissue



IHC (Immunohistochemistry)
DAB staining on IHC-P; Samples: Human Stomach cancer Tissue



WB (Western Blot)
Western Blot: Sample: Recombinant protein



WB (Western Blot)
Western Blot: Sample: Mouse Liver lysate; Primary Ab: 2ug/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



WB (Western Blot)
Western Blot: Sample: Human HepG2 cell lysate; Primary Ab: 2ug/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



WB (Western Blot)
Western Blot: Sample: Human Hela cell lysate; Primary Ab: 2ug/ml Rabbit Anti-Human FOXO1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

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
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.