Anti-Phospho-FOXO3A (Ser253) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010946

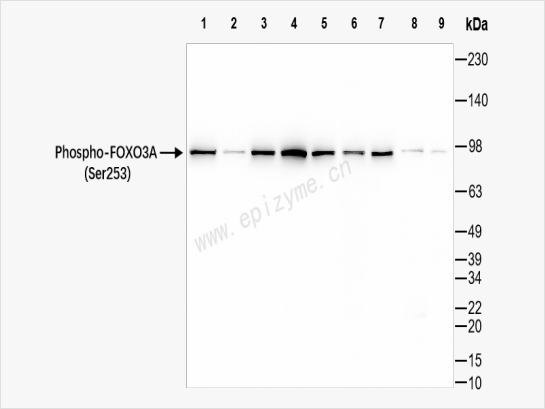
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	42K60K09
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser253 of human FOXO3A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-FOXO3A (Ser253) Rabbit mAb [42K60K09] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AF6q21; AF6q21 protein; DKFZp781A0677; FKHR2; FKHRL 1; FKHRL1; FKHRL1P2; Forkhead(Drosophila) homolog(rhabdomyosarcoma) like 1; Forkhead box O3A; Forkhead box protein O3A; Forkhead Drosophila homolog of in rhabdomyosarcoma like 1; Forkhead in rhabdomyosarcoma like 1; FOX O3A; FOXO2; MGC12739; MGC31925; FOXO3_HUMAN.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 82 kDa
Uniprot ID	O43524
Gene ID	2309
Background	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm Cytosol Nucleus Mitochondrion matrix Mitochondrion outer membrane Peripheral membrane protein Cytoplasmic side Retention in the cytoplasm contributes to its inactivation (PubMed:10102273, PubMed:15084260, PubMed:16751106). Translocates to the nucleus upon oxidative stress and in the absence of survival factors (PubMed:10102273, PubMed:16751106). Translocates from the cytosol to the nucleus following dephosphorylation in response to autophagy-inducing stimuli (By similarity). Translocates in a AMPK-dependent manner into the mitochondrion in response to metabolic stress (PubMed:23283301, PubMed:29445193). Serum deprivation increases localization to the nucleus, leading to activate

Validation Images



Western Blot - Anti-Phospho-FOXO3A (Ser253) Rabbit mAb [42K60K09]
All lanes: R010946 at 1:1,000 dilution
Lane 1: Hel (Human erythroLeukemia suspension cell) whole cell lysates
Lane 2: Ball-1 (Human B lymphocyte acute leukemia cell) whole cell lysates
Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 4: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 5: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 6: Mouse embryo whole tissue lysates
Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 8: Rat spleen whole tissue lysates
Lane 9: Rat lymphoid whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 71 kDa
Observed band size: 82 kDa
Developed using the ECL technique (Cat. No. SQ201).