Anti-Phospho-FOXO3A (Ser253) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014987

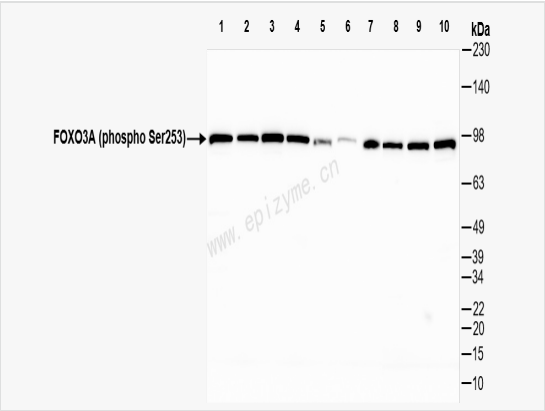
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:5,000; IF 1:200~1:1,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	75N04B25
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human FOXO3A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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 [75N04B25] is for research use only and not for use in diagnostic or therapeutic procedures.

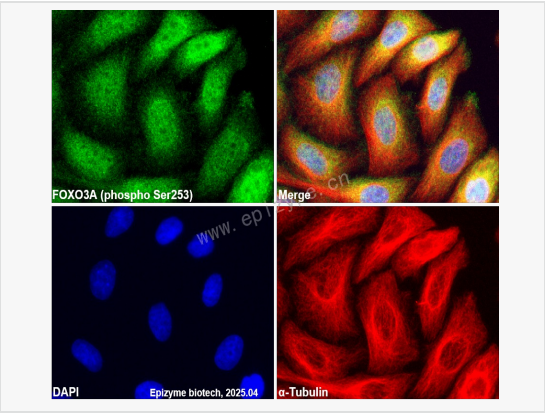
Protein Information

Synonyms	AF6q21, AF6q21 protein, DKFZp781A0677, FKHR2, FKHRL 1, FKHRL1, FKHRL1P2, Forkhead (Drosophila) homolog (rhabdomyosarcoma) like 1, Forkhead box O3, Forkhead box O3A, Forkhead box protein O3, Forkhead box protein O3A, Forkhead Drosophila homolog of in rhabdomyosarcoma like 1, Forkhead homolog (rhabdomyosarcoma) like 1, Forkhead in rhabdomyosarcoma like 1, Forkhead in rhabdomyosarcoma-like 1, FOX O3A, FOXO2, foxo3, FOXO3_HUMAN, FOXO3A, MGC12739, MGC31925.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 97 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. Translocates to the nucleus upon oxidative stress and in the absence of survival factors.
Tissue Location	Ubiquitous.

Validation Images



Western Blot - Anti-Phospho-FOXO3A (Ser253) Rabbit mAb [75N04B25]
All lanes: R014987 at 1:3,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 7: 293T (Human embryonic kidney cell) whole cell lysates
Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 9: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell 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: 97 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-FOXO3A (Ser253) Rabbit mAb [75N04B25]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014987 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).