

Anti-FOXO3 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

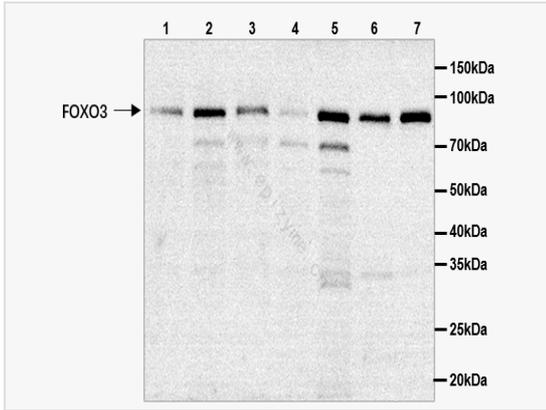
Catalog # R010839

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	77L47L17
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from 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-FOXO3 antibody [77L47L17] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	FOXO3, FKHRL1, FOXO3A, Forkhead box protein O3, AF6q21 protein, Forkhead in rhabdomyosarcoma-like 1.
Calculated MW	Calculated MW: 71 kDa; Observed MW: 82 kDa
Uniprot ID	O43524
Gene ID	2309
Background	FoxO3a is a transcriptional activator which triggers apoptosis in the absence of survival factors, including neuronal cell death upon oxidative stress. Recognizes and binds to the DNA sequence 5'-[AG]TAAA[TC]A-3'. Participates in post-transcriptional regulation of MYC: following phosphorylation by MAPKAPK5, promotes induction of miR-34b and miR-34c expression, 2 post-transcriptional regulators of MYC that bind to the 3'UTR of MYC transcript and prevent its translation.



Western Blot - Anti-FOXO3 Rabbit mAb [77L47L17]

All lanes: R010839 at 1:1,000 dilution

Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 3: Jurkat (human T lymphocytic leukemia cell) whole cell lysates

Lane 4: U2OS (human osteosarcoma epithelial cell) whole cell lysates

Lane 5: SW620 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 6: Rat liver whole tissue lysates

Lane 7: Balb/c mouse liver whole tissue lysates

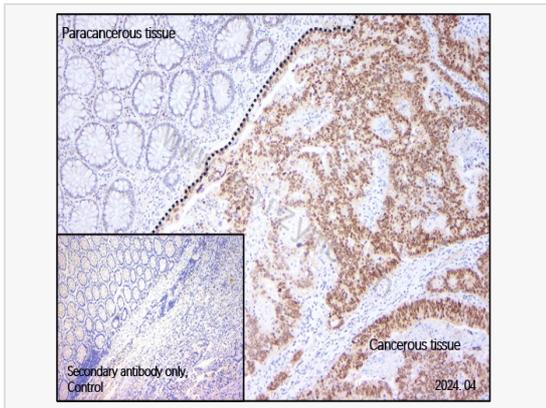
Lysates/proteins at 10 µg per lane.

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).



Immunohistochemistry - Anti-FOXO3 Rabbit mAb [77L47L17]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010839 at 1:200 dilution

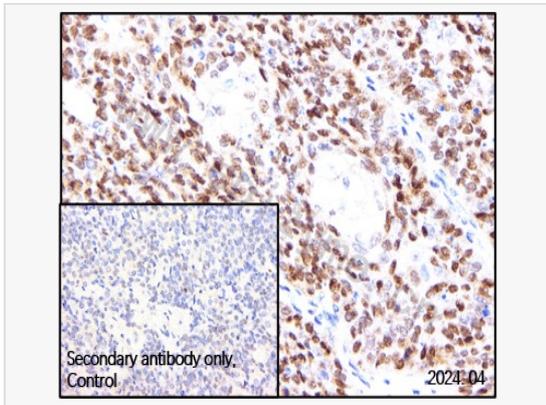
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-FOXO3 Rabbit mAb [77L47L17]

Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R010839 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.