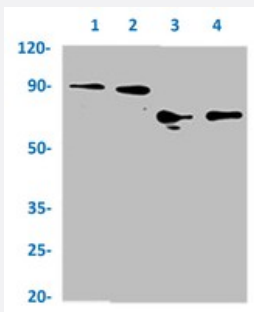


RecomAb™

FOXO3 recombinant monoclonal antibody, clone 1E2

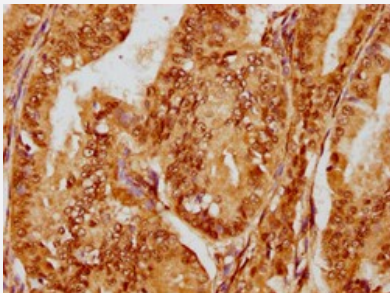
Catalog # RAB04380 Size 100 uL

Applications



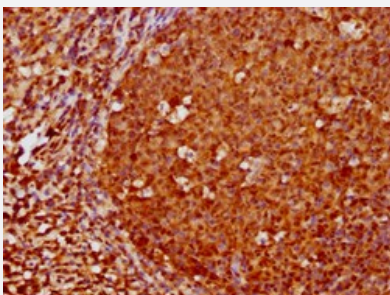
Western Blot

Western blot analysis of Lane 1:293 whole cell lysate, Lane 2: Jurkat whole cell lysate, Lane 3: SH-SY5Y whole cell lysate and Lane 4: U87 whole cell lysate with FOXO3 recombinant monoclonal antibody, clone 1E2 (Cat # RAB04380).



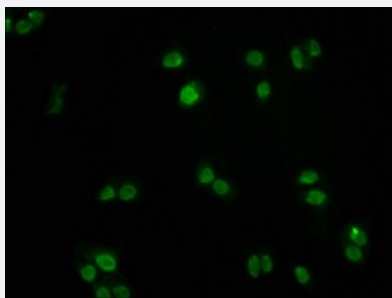
Immunohistochemistry

Immunohistochemical staining of human endometrial cancer with FOXO3 recombinant monoclonal antibody, clone 1E2 (Cat # RAB04380) (diluted at 1:180).



Immunohistochemistry

Immunohistochemical staining of human tonsil tissue with FOXO3 recombinant monoclonal antibody, clone 1E2 (Cat # RAB04380) (diluted at 1:180).



Immunofluorescence

Immunofluorescent staining of PC3 cells with FOXO3 recombinant monoclonal antibody, clone 1E2 (Cat # RAB04380) (diluted at 1:60). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FOXO3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FOXO3.
Theoretical MW (kDa)	Calculated MW: 72, 4
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1:293 whole cell lysate, Lane 2: Jurkat whole cell lysate, Lane 3: SH-SY5Y whole cell lysate and Lane 4: U87 whole cell lysate with FOXO3 recombinant monoclonal antibody, clone 1E2 (Cat # RAB04380).

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOXO3

Entrez GeneID [2309](#)

Protein Accession# [O43524](#)

Gene Name FOXO3

Gene Alias AF6q21, DKFZp781A0677, FKHL1, FKHL1P2, FOXO2, FOXO3A, MGC12739, MGC31925

Gene Description forkhead box O3

Omim ID [602681](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000016944|forkhead box O3A|forkhead homolog (rhabdomyosarcoma) like 1|forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1

Pathway

- [Chemokine signaling pathway](#)
- [Endometrial cancer](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)

Disease

- [Alzheimer disease](#)
- [Amenorrhea](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Primary Ovarian Insufficiency](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)