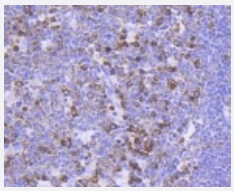
RecomAb™ Sm Size

FOXO3 (phospho S253) recombinant monoclonal antibody

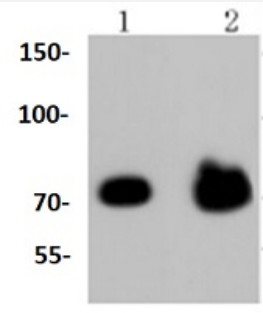
Catalog # RAB09435 Size 50 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using FOXO3 (phospho S253) recombinant monoclonal antibody (Cat # RAB09435). Counter stained with hematoxylin.



Western Blot (Cell lysate)

Western blot analysis of Lane1:Hela whole cell lysate Lane2:PC12 whole cell lysate with FOXO3 (phospho S253) recombinant monoclonal antibody (Cat # RAB09435) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against FOXO3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant FOXO3.
Theoretical MW (kDa)	71, 97
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of FOXO3A protein only when phosphorylated at Ser253.

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — FOXO3

Entrez GeneID	2309
Protein Accession#	O43524
Gene Name	FOXO3
Gene Alias	AF6q21, DKFZp781A0677, FKHRL1, FKHRL1P2, FOXO2, FOXO3A, MGC12739, MGC31925
Gene Description	forkhead box O3
Omim ID	602681
Gene Ontology	Hyperlink

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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

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- Primary Ovarian Insufficiency
- Tobacco Use Disorder
- Tooth Abnormalities

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