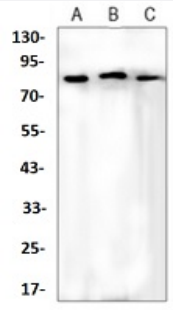
RecomAb™ Sm Size

FOXO3 (Phospho S253) recombinant monoclonal antibody

Catalog # RAB09167 Size 50 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of NIH3T3 (A), K562 (B), C6 (C) whole cell lysates with FOXO3 (Phospho S253) recombinant monoclonal antibody (Cat # RAB09167).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FOXO3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Ser253 of human FOXO3A.
Theoretical MW (kDa)	82
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of FOXO3 (pS253) protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG

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Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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.

Applications

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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
Gene Summary	This gene belongs to the forkhead family of transcription factors which are characterized by a disti nct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of g enes necessary for cell death. Translocation of this gene with the MLL gene is associated with se condary 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|forkh ead, Drosophila, homolog of, in rhabdomyosarcoma-like 1

Pathway

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- 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

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