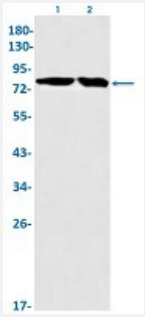
RecomAb™

# FOXO3 (phospho Ser253) recombinant monoclonal antibody, clone R06-2G6

Catalog # RAB02275 Size 100 uL

## Applications




### Western Blot

Western Blot analysis of Lane 1: K562 and Lane 2: C6 lysates with FOXO3 (phospho Ser253) recombinant monoclonal antibody, clone R06-2G6 (Cat # RAB02275).

## 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 FOXO3. |
| **Theoretical MW (kDa)** | Calculated MW: 71 kD |
| **Reactivity** | Human, Mouse, Rat |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |
| **Storage Instruction** | Store at -20 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Western Blot

  Western Blot analysis of Lane 1: K562 and Lane 2: C6 lysates with FOXO3 (phospho Ser253) recombinant monoclonal antibody, clone R06-2G6 (Cat # RAB02275).

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.