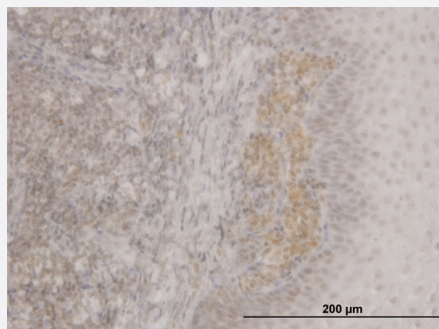


# FOXO3A monoclonal antibody (M07), clone 2C4

Catalog # H00002309-M07

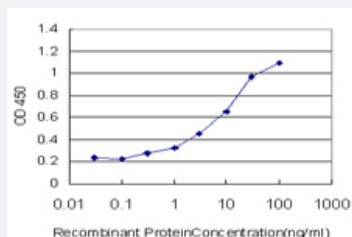
Size 100 ug

## Applications



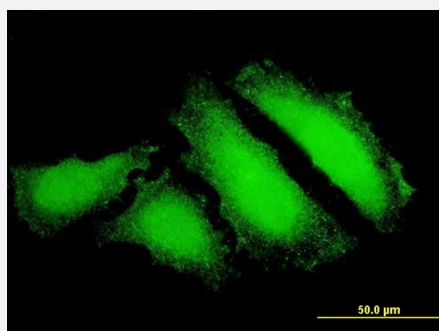
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to FOXO3A on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1.5 ug/ml]



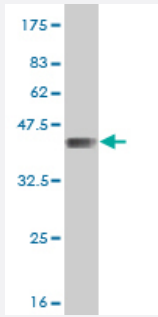
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOXO3A is approximately 0.3ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to FOXO3 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

## Specification

|                                      |                                                                                                                    |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant FOXO3A.                                             |
| <b>Immunogen</b>                     | FOXO3A (AAH21224, 361 a.a. ~ 460 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | PCTVELPRLTDMAGTMNLNDGLTENLMDDLLDNITLPPSQPSPTGGLMQRSSSFYTTKGSGGLGS<br>PTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFS           |
| <b>Host</b>                          | Mouse                                                                                                              |
| <b>Reactivity</b>                    | Human                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (92); Rat (92)                                                                                               |
| <b>Isotype</b>                       | IgG2a Kappa                                                                                                        |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.63 KDa) .           |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                  |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                           |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to FOXO3A on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 1.5 ug/ml]

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- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOXO3A is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to FOXO3 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — FOXO3

Entrez GeneID [2309](#)

GeneBank Accession# [BC021224](#)

Protein Accession# [AAH21224](#)

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](#)