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FOXO3A Antibody (monoclonal) (M13)

Mouse monoclonal antibody raised against a partial recombinant FOXO3A.
Catalog # AT2102a

Specification

FOXO3A Antibody (monoclonal) (M13) - Product Information

Application	**IF, IHC, E**
Primary Accession	O43524
Other Accession	BC021224
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**71277**

FOXO3A Antibody (monoclonal) (M13) - Additional Information

Gene ID 2309

Other Names
Forkhead box protein O3, AF6q21 protein, Forkhead in rhabdomyosarcoma-like 1, FOXO3, FKHRL1, FOXO3A

Target/Specificity
FOXO3A (AAH21224, 361 a.a. ~ 460 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
FOXO3A Antibody (monoclonal) (M13) is for research use only and not for use in diagnostic or therapeutic procedures.

FOXO3A Antibody (monoclonal) (M13) - Protocols

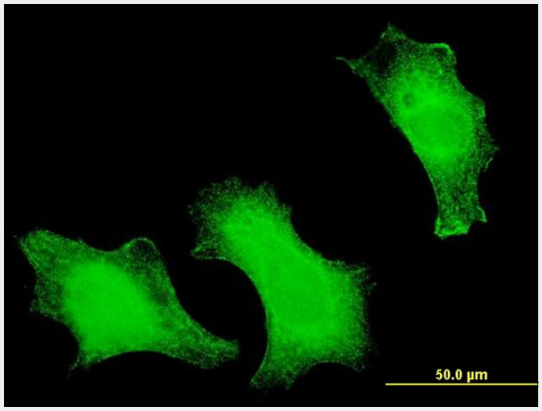
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

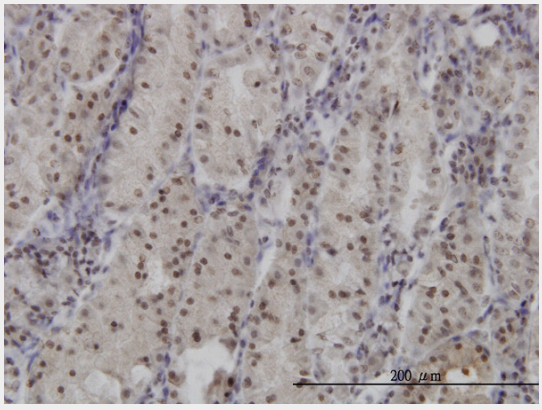
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- Flow Cytomety
- Cell Culture

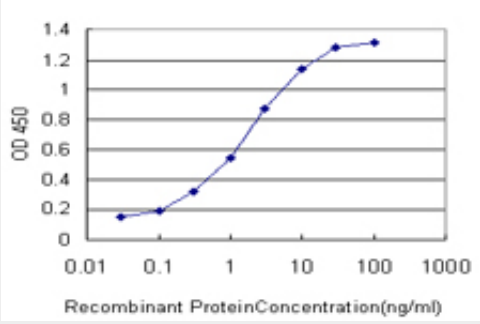
FOXO3A Antibody (monoclonal) (M13) - Images



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



Immunoperoxidase of monoclonal antibody to FOXO3A on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged FOXO3A is approximately 0.03ng/ml as a capture antibody.

FOXO3A Antibody (monoclonal) (M13) - Background

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.

FOXO3A Antibody (monoclonal) (M13) - References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.FOXO3 encodes a carcinogen-activated transcription factor frequently deleted in early-stage lung adenocarcinoma. Mikse OR, et al. Cancer Res, 2010 Aug 1. PMID 20631076.Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Foxo3a regulates apoptosis by negatively targeting miR-21. Wang K, et al. J Biol Chem, 2010 May 28. PMID 20371612.