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FOXQ1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant FOXQ1.
Catalog # AT2105a

Specification

FOXQ1 Antibody (monoclonal) (M02) - Product Information

Application	**E**
Primary Accession	Q9C009
Other Accession	NM_033260
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**41526**

FOXQ1 Antibody (monoclonal) (M02) - Additional Information

Gene ID 94234

Other Names
Forkhead box protein Q1, HNF-3/forkhead-like protein 1, HFH-1, Hepatocyte nuclear factor 3 forkhead homolog 1, FOXQ1, HFH1

Target/Specificity
FOXQ1 (NP_150285, 110 a.a. ~ 219 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
FOXQ1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

FOXQ1 Antibody (monoclonal) (M02) - 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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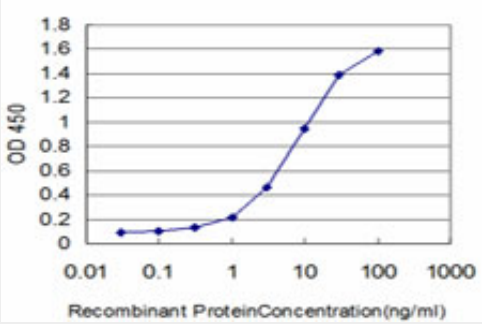
- Flow Cytomety
- Cell Culture

FOXQ1 Antibody (monoclonal) (M02) - Images



Detection limit for recombinant GST tagged FOXQ1 is approximately 0.3ng/ml as a capture antibody.

FOXQ1 Antibody (monoclonal) (M02) - Background

FOXQ1 is a member of the FOX gene family, which is characterized by a conserved 110-amino acid DNA-binding motif called the forkhead or winged helix domain. FOX genes are involved in embryonic development, cell cycle regulation, tissue-specific gene expression, cell signaling, and tumorigenesis (Bieller et al., 2001 [PubMed 11747606]).

FOXQ1 Antibody (monoclonal) (M02) - References

FOXQ1 is overexpressed in colorectal cancer and enhances tumorigenicity and tumor growth. Kaneda H, et al. Cancer Res, 2010 Mar 1. PMID 20145154.Atrogin-1, MuRF1, and FoXO, as well as phosphorylated GSK-3beta and 4E-BP1 are reduced in skeletal muscle of chronic spinal cord-injured patients. L?ger B, et al. Muscle Nerve, 2009 Jul. PMID 19533653.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Transforming growth factor-beta 2 is a transcriptional target for Akt/protein kinase B via forkhead transcription factor. Samatar AA, et al. J Biol Chem, 2002 Aug 2. PMID 12011061.