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FOXQ1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FOXQ1.
Catalog # AT2104a

Product Information

Application	E
Primary Accession	Q9C009
Other Accession	NM_033260
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2H6
Calculated MW	41526

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.
Dilution	E~~N/A
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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

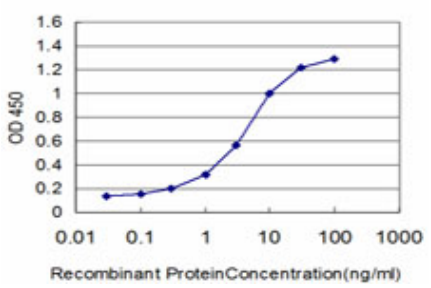
FOXQ1 is a member of the FOX gene family, which is characterized by a conserved 110-amino acid DNA-binding motif called the forkhead or winged helix domain. FOX genes are involved in embryonic development, cell cycle regulation, tissue-specific gene expression, cell signaling, and tumorigenesis (Bieller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

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.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.