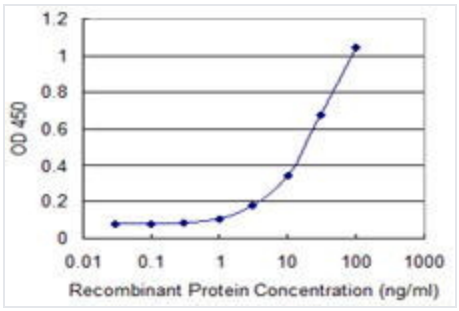
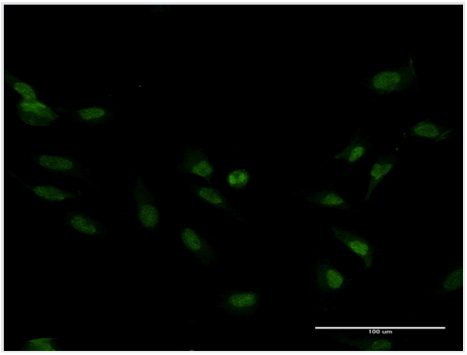
FOXM1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

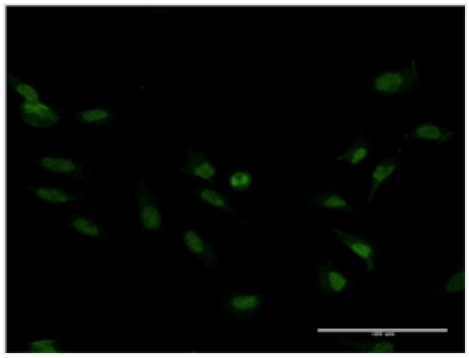
Product Name	FOXM1, Monoclonal Antibody
Full Product Name	FOXM1 (Forkhead Box M1, FKHL16, FOXM1B, HFH-11, HFH11, HNF-3, INS-1, MPHOSPH2, MPP-2, MPP2, PIG29, TGT3, TRIDENT) (APC)
Product Gene Name	anti-FOXM1 antibody
Product Synonym Names	Forkhead Box M1; FKHL16; FOXM1B; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TGT3; TRIDENT
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	200
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes FOXM1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	88kDa
OMIM	602341
3D Structure	ModBase 3D Structure for Q08050
Immunogen	FOXM1 (NP_973731, 22aa-110aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NAPSETSEEEPKRSPAQQESNQAEASKEVAESNSCKFPAGIKIINHPTMPNTQVVAIPNNANIHSIITALTAKGKESGSSGPNKFILIS
Conjugate	APC
Product Categories/Family for anti-FOXM1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-FOXM1 antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-FOXM1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FOXM1 antibody	MBS6166957 is an antibody targeting FOXM1. Also known as FOXM1 (Forkhead Box M1, FKHL16, FOXM1B, HFH-11, HFH11, HNF-3, INS-1, MPHOSPH2, MPP-2, MPP2, PIG29, TGT3, TRIDENT) (APC). Host: Mouse. Mouse monoclonal antibody raised against a full length recombinant FOXM1.
Other Notes	Small volumes of anti-FOXM1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of anti-FOXM1 antibody
Detection limit for recombinant GST tagged FOXM1 is 0.3 ng/ml as a capture antibody.



Immunofluorescence (IF) of anti-FOXM1 antibody
Immunofluorescence of monoclonal antibody to FOXM1 on HeLa cell. [antibody concentration 10 ug/ml]



Immunofluorescence (IF) of anti-FOXM1 antibody
Immunofluorescence of monoclonal antibody to FOXM1 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOXM1. It may not necessarily be applicable to this product.

NCBI GI #	42544167
NCBI GeneID	2305
NCBI Accession #	NP_973731
UniProt Primary Accession #	Q08050
UniProt Related Accession #	Q08050
GenBank Nucleotide #	NM_202002
NCBI Official Full Name	forkhead box protein M1 isoform 1
NCBI Official Synonym Full Names	forkhead box M1
NCBI Official Symbol	FOXM1
NCBI Official Synonym Symbols	MPP2; HFH11; HNF-3; INS-1; MPP-2; PIG29; FKHL16; FOXM1A; FOXM1B; FOXM1C; HFH-11; TRIDENT; MPHOSPH2
UniProt Protein Name	Forkhead box protein M1
UniProt Synonym Protein Names	Forkhead-related protein FKHL16; Hepatocyte nuclear factor 3 forkhead homolog 11; HFH-11; HNF-3/fork-head homolog 11; M-phase phosphoprotein 2; MPM-2 reactive phosphoprotein 2; Transcription factor Trident; Winged-helix factor from INS-1 cells
Protein Family	Forkhead box protein
UniProt Gene Name	FOXM1

UniProt Synonym Gene Names	FKHL16; HFH11; MPP2; WIN; HFH-11; HNF-3/fork-head homolog 11
UniProt Entry Name	FOXM1_HUMAN
NCBI Protein Information	forkhead box protein M1
NCBI Summary for FOXM1	The protein encoded by this gene is a transcriptional activator involved in cell proliferation. The encoded protein is phosphorylated in M phase and regulates the expression of several cell cycle genes, such as cyclin B1 and cyclin D1. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
UniProt Comments for FOXM1	FOXM1: a transcriptional activator factor. Contains 1 fork-head domain. May play a role in the control of cell proliferation. Appears to be expressed only in adult organs containing proliferating/cycling cells or in response to growth factors. Also expressed in epithelial cell lines derived from tumors. Not expressed in resting cells. Phosphorylated in M (mitotic) phase. Three splice variant isoforms have been described. Isoform 1 and isoform 2 appear to be the only activators of gene transcription. Isoform 3, found in rat, does not seem to exist in human. Protein type: DNA-binding; Transcription factor Chromosomal Location of Human Ortholog: 12p13 Cellular Component: nucleoplasm; cytoplasm Molecular Function: protein binding; DNA binding; sequence-specific DNA binding; transcription factor activity; protein kinase binding Biological Process: transcription from RNA polymerase II promoter; regulation of Ras protein signal transduction; regulation of cell cycle; positive regulation of transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; DNA repair; negative regulation of stress-activated MAPK cascade; liver development; cell cycle; regulation of cell proliferation; DNA damage response, signal transduction by p53 class mediator resulting in transcription of p21 class mediator; regulation of transcription, DNA-dependent; positive regulation of cell proliferation; positive regulation of transcription from RNA polymerase II promoter; mitotic cell cycle; regulation of cell growth; negative regulation of transcription, DNA-dependent; G2/M transition of mitotic cell cycle; vasculogenesis
Research Articles on FOXM1	**1.** FOXM1 knockdown reduced cell viability, migration, and invasion by propofol treatment plus miR-1284 suppression. In conclusion, our study indicated that propofol could inhibit cell viability, migration, invasion, and the EMT process in lung cancer cells by regulation of miR-1284.
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