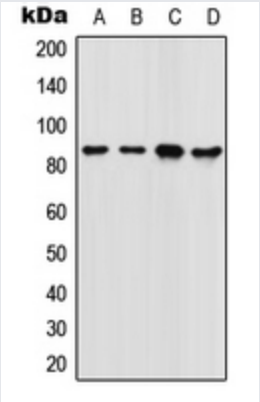
FOXM1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FOXM1, Polyclonal Antibody
Full Product Name	Anti-FOXM1 Antibody
Product Gene Name	anti-FOXM1 antibody
Product Synonym Names	FKHL16; HFH11; MPP2; WIN; Forkhead box protein M1; 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
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of FOXM1 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	FOXM1 peptide (MBS822616) is used for blocking the activity of FOXM1 antibody (MBS821245)
Molecular Weight	88,596 Da
OMIM	602341
3D Structure	ModBase 3D Structure for Q08050
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXM1. The exact sequence is proprietary.
Applications Tested/Suitable for anti-FOXM1 antibody	Western Blot (WB)
Application Notes for anti-FOXM1 antibody	WB (1/500 - 1/1000)
Related Product Information for anti-FOXM1 antibody	MBS821245 is an antibody targeting FOXM1. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to 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.



Western Blot (WB) of anti-FOXM1 antibody
Western blot analysis of FOXM1 expression in SW480 (A), 22RV1 (B), NIH3T3 (C), rat colon (D) whole cell lysates.

ADDITIONAL DETAILS

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

NCBI GI #	340545543
NCBI GeneID	2305
NCBI Accession #	NP_001230017.1
UniProt Primary Accession #	Q08050
UniProt Secondary Accession #	O43258; O43259; O43260; Q4ZGG7; Q9BRL2
UniProt Related Accession #	Q08050
GenBank Nucleotide #	NM_001243088.1
NCBI Official Full Name	forkhead box protein M1 isoform 4
NCBI Official Synonym Full Names	forkhead box M1
NCBI Official Symbol	FOXM1
NCBI Official Synonym Symbols	MPP2; TGT3; HFH11; HNF-3; INS-1; MPP-2; PIG29; FKHL16; FOXM1B; 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; M-phase phosphoprotein 2; HNF-3/fork-head homolog 11; transcription factor Trident; MPM-2 reactive phosphoprotein 2; forkhead-related protein FKHL16; winged-helix factor from INS-1 cells; Forkhead, drosophila, homolog-like 16; hepatocyte nuclear factor 3 forkhead homolog 11
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; protein kinase binding; transcription factor activity Biological Process: regulation of Ras protein signal transduction; transcription from RNA polymerase II promoter; regulation of cell cycle; positive regulation of transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; liver development; cell cycle; DNA repair; negative regulation of stress-activated MAPK cascade; 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.** There was an inverse relationship between FoxM1, which was up-regulated and miR-370 expression in laryngeal squamous cell carcinoma tissues.
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