

Rabbit FOXM1 Polyclonal Antibody | anti-FOXM1 antibody

FOXM1 Polyclonal Antibody

CATALOG # AAA36882	HOST Rabbit	APPLICATIONS Western Blot
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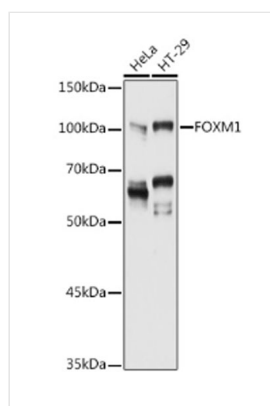
PRODUCT SYNONYMS

FOXM1; Polyclonal Antibody; FOXM1 Polyclonal Antibody; FKHL16; FOXM1B; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TGT3; TRIDENT; anti-FOXM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Sequence Length	763
Applicable Applications for anti-FOXM1 antibody	WB (Western Blot)
Category	Primary Antibody
Species Reactivity/Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-350 of human FOXM1 (NP_973732.1)
Preparation and Storage	Store at -20°C . Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using FOXM1 antibody (AAA36882) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s

ADDITIONAL INFORMATION

Related Product Information for anti-FOXM1 antibody	Forkhead box M1 (FoxM1) is a forkhead box family transcription factor that regulates a number of genes throughout the cell cycle to help control DNA replication, mitosis and cell proliferation. FoxM1 expression increases during G1 and S and reaches maximum levels in G2/M (1-3). Nuclear translocation occurs just before entry into G2/M and is associated with FoxM1 phosphorylation (4). Phosphorylation of FoxM1 by MAPK (Ser331 Ser704), Cyclin/Cdk (Thr600, Thr611, Thr672), Plk1 (Ser715, Ser724), and Chk2 (Ser376) stabilizes and activates FoxM1 (4-7). Forkhead box M1 is expressed in all embryonic tissues but is restricted to proliferating tissues in adults (8). Recent studies have shown that FoxM1 expression is negatively regulated by p53 (9,10). Upregulation of FoxM1 is associated with many human cancers, including prostate, breast, lung, ovary, colon, pancreas, stomach, bladder, liver, and kidney, and may be associated with p53 mutations in some tumors (10,11). As a result, FoxM1 inhibitors have become a topic of interest for potential cancer therapy (12).
Product Categories/Family for anti-FOXM1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	12644391
NCBI GeneID	2305
UniProt Accession #	Q08050; O43258; O43259; O43260; Q4ZGG7; Q9BRL2
Molecular Weight	Observed MW: 110 kDa Calculated MW: 82 kDa/84 kDa/ 88 kDa
NCBI Official Full Name	Forkhead box protein M1
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
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
UniProt Protein Name	Forkhead box protein M1
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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.