

Product datasheet for **TA327372**

FOXM1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human FOXM1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	forkhead box M1
Database Link:	NP_068772 Entrez Gene 14235 Mouse Entrez Gene 58921 Rat Entrez Gene 2305 Human Q08050



[View online »](#)

Background:

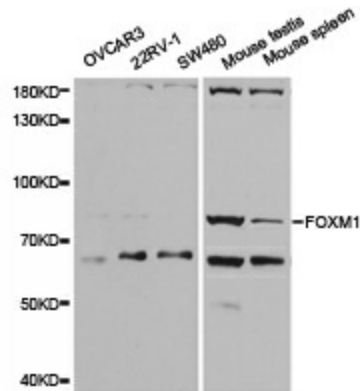
Forkhead box M1 (FoxM1) is a forkhead box family transcription factor that regulates a number of genes throughout the cell cycle to help control DNA replication, mitosis and cell proliferation. FoxM1 expression increases during G1 and S and reaches maximum levels in G2/M. Nuclear translocation occurs just before entry into G2/M and is associated with FoxM1 phosphorylation. Phosphorylation of FoxM1 by MAPK (Ser331 Ser704), Cyclin/Cdk (Thr600, Thr611, Thr672), Plk1 (Ser715, Ser724), and Chk2 (Ser376) stabilizes and activates FoxM1. Forkhead box M1 is expressed in all embryonic tissues but is restricted to proliferating tissues in adults. Recent studies have shown that FoxM1 expression is negatively regulated by p53. 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. As a result, FoxM1 inhibitors have become a topic of interest for potential cancer therapy.

Synonyms:

FKHL16; FOXM1B; HFH-11; HFH11; HNF-3; INS-1; MPHOSPH2; MPP-2; MPP2; PIG29; TGT3; TRIDENT

Protein Families:

Transcription Factors

Product images:

Western blot analysis of extracts of various cell lines, using FOXM1 antibody.