




Rabbit Anti-FOXM1 antibody

SL2687R

Product Name:	FOXM1
Chinese Name:	叉头蛋白M1抗体
Alias:	FKH L16; FKHL 16; FKHL16; Forkhead box M1; Forkhead box protein M1; Forkhead drosophila homolog like 16; Forkhead Drosophila like 16; Forkhead like 16; Forkhead related protein FKHL16; FOX M1; FOXM 1; FOXM 1c; FOXM1B; FOXM1c; Hepatocyte nuclear factor 3 forkhead homolog 11; HFH 11; HFH11; HNF 3; HNF 3/fork head homolog 11; HNF 3/forkhead homolog 11; HNF3; Human putative M phase phosphoprotein 2; INS 1; INS1; M phase phosphoprotein 2; MPHOSPH 2; MPHOSPH2; MPM 2; MPM 2 reactive phosphoprotein 2; MPM2 reactive phosphoprotein 2; MPP 2; MPP2; PIG 29; PIG29; Transcription factor Trident; Trident; WIN; Winged helix factor from INS 1 cells; FOXM1_HUMAN.
文献引用 	Specific References(1) SL2687R has been referenced in 1 publications. [IF=2.41]Liu, Long-long, et al. "Over-expression of FoxM1 is associated with adverse prognosis and FLT3-ITD in acute myeloid leukemia." Biochemical and Biophysical Research Communications (2014). IHC-P;Human. PubMed:24582753
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	84kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FOXM1:301-400/801

Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The Forkhead Box (Fox) proteins are an extensive family of transcription factors that share homology in the winged helix DNA-binding domain and the members of which play essential roles in a diverse range of developmental processes as well as cellular proliferation, differentiation, and longevity. The Fox factors are especially important in the establishment of the body axis and the development of tissues from all three germ layers. FOXM1 is also overexpressed in many human cancers and has a role in tumorigenesis.</p> <p>Function: Transcriptional factor regulating the expression of cell cycle genes essential for DNA replication and mitosis. Plays a role in the control of cell proliferation. Plays also a role in DNA breaks repair participating in the DNA damage checkpoint response.</p> <p>Subcellular Location: Nucleus.</p> <p>Tissue Specificity: Expressed in thymus, testis, small intestine, colon followed by ovary. 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. Isoform 2 is highly expressed in testis.</p> <p>Post-translational modifications: Phosphorylated in M (mitotic) phase. Phosphorylation by the checkpoint kinase CHEK2 in response to DNA damage increases the FOXM1 protein stability probably stimulating the transcription of genes involved in DNA repair. Phosphorylated by CDK1 in late S and G2 phases, creating docking sites for the POLO box domains of PLK1. Subsequently, PLK1 binds and phosphorylates FOXM1, leading to activation of transcriptional activity and subsequent enhanced expression of key mitotic regulators.</p> <p>Similarity: Contains 1 fork-head DNA-binding domain.</p> <p>SWISS: Q08050</p> <p>Gene ID: 2305</p>

Database links:

[Entrez Gene: 2305](#)Human

[Entrez Gene: 14235](#)Mouse

[Entrez Gene: 58921](#)Rat

[Omim: 602341](#)Human

[SwissProt: Q08050](#)Human

[SwissProt: O08696](#)Mouse

[SwissProt: P97691](#)Rat

[Unigene: 239](#)Human

[Unigene: 42148](#)Mouse

[Unigene: 10665](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

FOXM1(Forkhead box

M1)是Forkhead转录因子家族中的成员, 在很多Tumour组织中都有不同的表达。