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FOXM1 Rabbit pAb

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Catalog # AP52250

Product Information

Primary Accession	Q08050
Reactivity	Human
Predicted	Rat, Dog, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84283
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXM1
Epitope Specificity	301-400/801
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	2305
Other Names	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, FOXM1, FKHL16, HFH11, MPP2, WIN
Dilution	ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	FOXM1
Synonyms	FKHL16, HFH11, MPP2, WIN
Function	Transcription factor regulating the expression of cell cycle genes essential for DNA replication and mitosis (PubMed:19160488, PubMed:20360045). Plays a role in the control of cell proliferation (PubMed:19160488). Also plays a role in DNA break repair, participating in the DNA damage checkpoint response (PubMed:17101782). Promotes transcription of PHB2 (PubMed:33754036).
Cellular Location	[Isoform 1]: Nucleus [Isoform 4]: Cytoplasm
Tissue Location	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

Background

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References

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