

FOXM1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51682

Product Information

Application	WB
Primary Accession	Q08050
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84283

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	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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	Nucleus.
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

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.

References

- Ye H.,et al.Mol. Cell. Biol. 17:1626-1641(1997).
Yao K.-M.,et al.J. Biol. Chem. 272:19827-19836(1997).
Westendorf J.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:714-718(1994).
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