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FOXM1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2180a

Product Information

Application	WB, FC, E
Primary Accession	Q08050
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6F11A8
Isotype	IgG1
Calculated MW	84283
Description	The protein encoded by this gene is a transcriptional activator involved in cell proliferation. The encoded protein is phosphorylated in M phase and regulates the expression of several cell cycle genes, such as cyclin B1 and cyclin D1. Several transcript variants encoding different isoforms have been found for this gene.
Immunogen	Purified recombinant fragment of human FOXM1 (AA: 649-748) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

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~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FOXM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

References

1.Cancer Gene Ther. 2014 Mar;21(3):133-8.2.Mol Cancer. 2013 Dec 10;12:159.

Images

