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MPIP3 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8486b

Product Information

Application	WB, IHC-P, E
Primary Accession	P30307
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Rabbit
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a,κ
Clone Names	1535CT627.6.80
Calculated MW	53365

Additional Information

Gene ID	995
Other Names	M-phase inducer phosphatase 3, Dual specificity phosphatase Cdc25C, CDC25C
Target/Specificity	This MPIP3 antibody is generated from a mouse immunized with a recombinant protein.
Dilution	WB~~1:1000-1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MPIP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CDC25C
Function	Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle (PubMed:8119945). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed:8119945). Directly dephosphorylates CDK1 and

activates its kinase activity (PubMed:8119945).

Cellular Location Nucleus

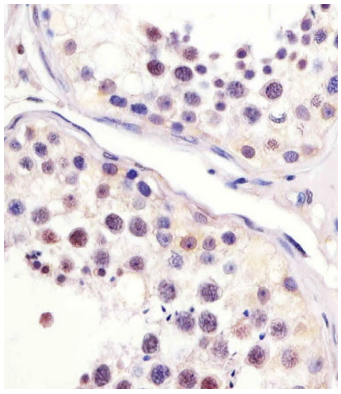
Background

Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle. When phosphorylated, highly effective in activating G2 cells into prophase. Directly dephosphorylates CDK1 and activates its kinase activity.

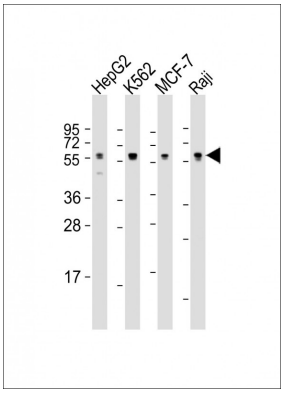
References

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Bureik M.,et al.Int. J. Oncol. 17:1251-1258(2000).
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Wegener S.,et al.Eur. J. Cell Biol. 79:810-815(2000).
Hernandez S.,et al.Lab. Invest. 81:465-473(2001).

Images



AM8486b staining MPIP3 in human testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-MPIP3 Antibody at 1:1000-1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: K562 whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 53 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.