

# MPIP3 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AM8486b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P30307</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a,k
<b>Clone Names</b>	1535CT627.6.80
<b>Calculated MW</b>	53365

## Additional Information

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<b>Gene ID</b>	995
<b>Other Names</b>	M-phase inducer phosphatase 3, Dual specificity phosphatase Cdc25C, CDC25C
<b>Target/Specificity</b>	This MPIP3 antibody is generated from a mouse immunized with a recombinant protein.
<b>Dilution</b>	WB~~1:1000-1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	MPIP3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CDC25C
<b>Function</b>	Functions as a dosage-dependent inducer in mitotic control. Tyrosine protein phosphatase required for progression of the cell cycle (PubMed: <a href="#">8119945</a> ). When phosphorylated, highly effective in activating G2 cells into prophase (PubMed: <a href="#">8119945</a> ). Directly dephosphorylates CDK1 and activates its kinase activity (PubMed: <a href="#">8119945</a> ).

## 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

Sadhu K.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:5139-5143(1990).

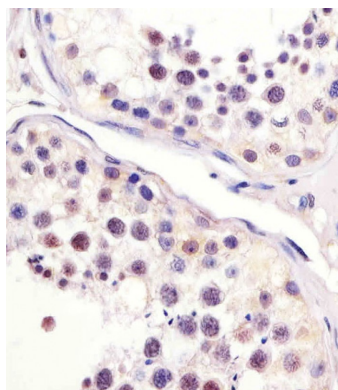
Bureik M.,et al.Int. J. Oncol. 17:1251-1258(2000).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

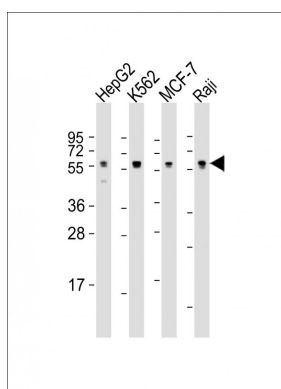
Wegener S.,et al.Eur. J. Cell Biol. 79:810-815(2000).

Hernandez S.,et al.Lab. Invest. 81:465-473(2001).

## Images



AM8486b staining MIP3 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 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-MIP3 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'.