

**CDC25A (S124) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22373a****Specification**

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**CDC25A (S124) Antibody - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P30304</a>
Other Accession	<a href="#">P48965</a>
Reactivity	Human
Predicted	Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	59087

**CDC25A (S124) Antibody - Additional Information****Gene ID** 993**Other Names**

M-phase inducer phosphatase 1, 3.1.3.48, Dual specificity phosphatase Cdc25A, CDC25A

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

**Dilution**

WB~~1:2000

IHC-P~~1:100

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

CDC25A (S124) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**CDC25A (S124) Antibody - Protein Information****Name** CDC25A**Function** Tyrosine protein phosphatase which functions as a dosage- dependent inducer of mitotic

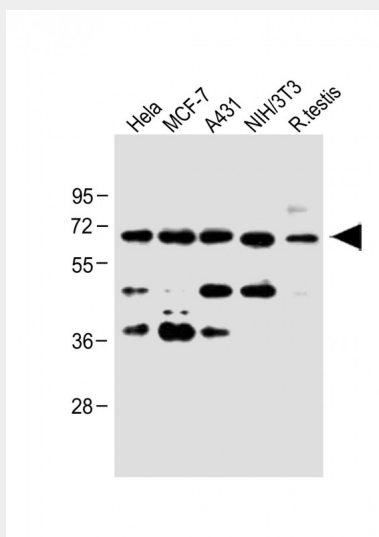
progression (PubMed:[12676925](#), PubMed:[14559997](#), PubMed:[1836978](#), PubMed:[20360007](#)). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:[20360007](#)). Also dephosphorylates CDK2 in complex with cyclin-E, in vitro (PubMed:[20360007](#)).

### **CDC25A (S124) Antibody - Protocols**

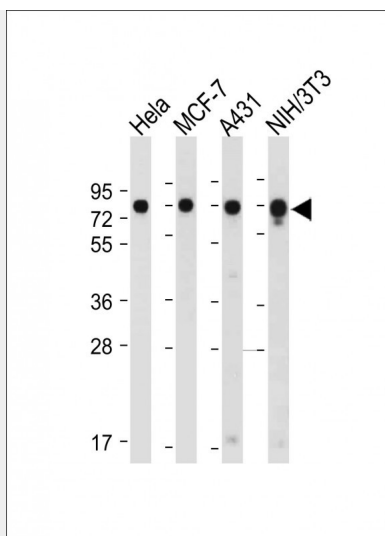
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

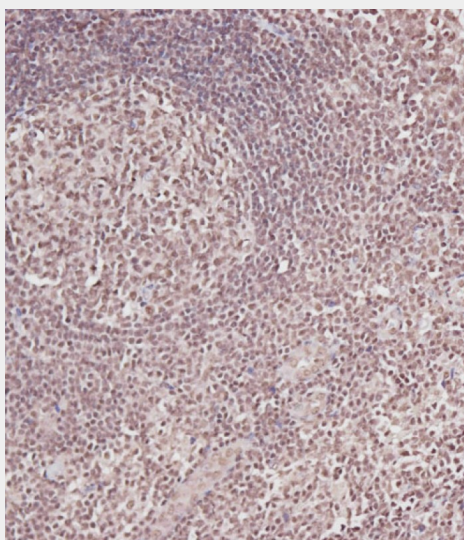
### **CDC25A (S124) Antibody - Images**



All lanes : Anti-CDC25A(S124) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: Rat testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 59 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-CDC25A(S124) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 59 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of AP22373a on paraffin-embedded Human tonsil tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

### **CDC25A (S124) Antibody - Background**

Tyrosine protein phosphatase which functions as a dosage-dependent inducer of mitotic progression. Directly dephosphorylates CDK1 and stimulates its kinase activity. Also dephosphorylates CDK2 in complex with cyclin E, in vitro.

### **CDC25A (S124) Antibody - References**

Galaktionov K.I.,et al.Cell 67:1181-1194(1991).  
Varmeh-Ziaie S.,et al.Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.  
Wegener S.,et al.Eur. J. Cell Biol. 79:810-815(2000).

Falck J.,et al.Nature 410:842-847(2001).  
Donzelli M.,et al.EMBO J. 21:4875-4884(2002).