10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

CDC25A (S124) Antibody - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P30304
Other Accession	P48965
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

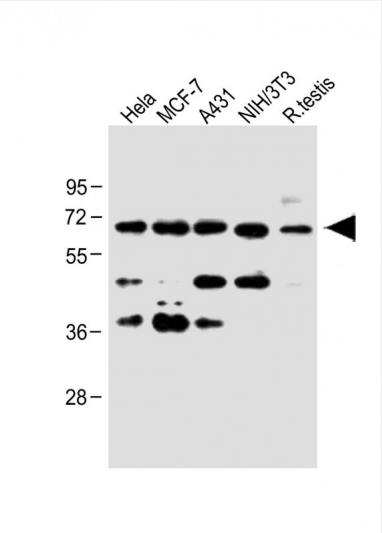
progression (PubMed:12676925, PubMed:14559997, PubMed:1836978, PubMed:20360007). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:20360007). Also dephosphorylates CDK2 in complex with cyclin-E, in vitro (PubMed:20360007).

CDC25A (S124) Antibody - Protocols

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

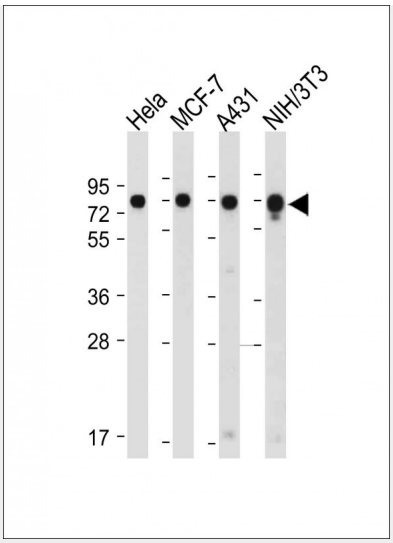
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDC25A (S124) Antibody - Images

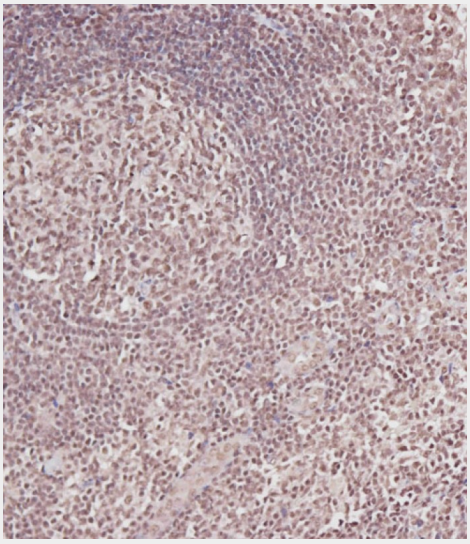


All lanes : Anti-CDC25A(S124) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: Rat testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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).