

CDC25A (S124) Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22373a

Specification

CDC25A (S124) Antibody - Product Information

Application IHC-P, WB,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

IHC-P~~1:100 WB~~1:2000

E~~Use at an assay dependent concentration.

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





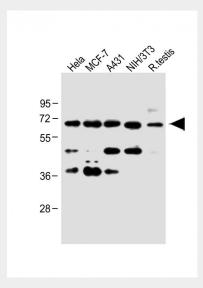
Function Tyrosine protein phosphatase which functions as a dosage- dependent inducer of mitotic progression (PubMed:12676925, PubMed:14559997, PubMed:1836978, PubMed:20360007). Directly dephosphorylates CDK1 and stimulates its kinase activity (PubMed:20360007). Also dephosphorylates CDK2 in complex with cyclin-E, in vitro (PubMed:20360007).

CDC25A (S124) Antibody - Protocols

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

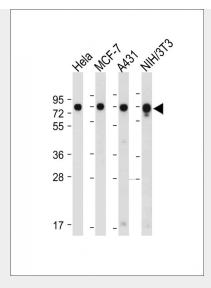
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDC25A (S124) Antibody - Images

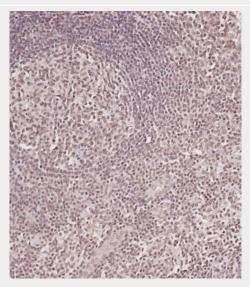


All lanes : Anti-CDC25A(S124) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: A431 whole cell lysate Lane 4: NIH/3T3 whole cell lysate Lane 5: Rat testis lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated 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 μ g 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).