

Product datasheet for AP12580PU-N

CDC25A pSer76 Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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| Product Type: | Primary Antibodies |
|-----------------------|---|
| | - |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1/1,000. Western Blot: 1/100-1/500. |
| | Immunohistochemistry: 1/50-1/100. |
| Reactivity: | Human |
| Host: | Rabbit |
| lsotype: | lg |
| Clonality: | Polyclonal |
| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S75 of human Cdc25A. |
| Specificity: | This antibody detects CDC25A pSer75. |
| Formulation: | PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified lg fraction. |
| Concentration: | lot specific |
| Purification: | Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | cell division cycle 25A |
| Database Link: | <u>Entrez Gene 993 Human</u> <u>P30304</u> |



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Background:CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for
progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase
CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to
DNA damage, which prevents cells with chromosomal abnormalities from progressing
through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not
been demonstrated. Two transcript variants encoding different isoforms have been found for
this gene.

| Synonyms: | CDC-25A |
|-----------|----------------------------|
| Note: | Molecular weight: 59087 Da |

Product images:



The anti-Phospho-CDC25A pSer75 Pab is used in Western blot to detect Phospho-CDC25A-S75 in, form left to right, Hela, HL60, mouse kidney, and mouse liver tissue lysates.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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