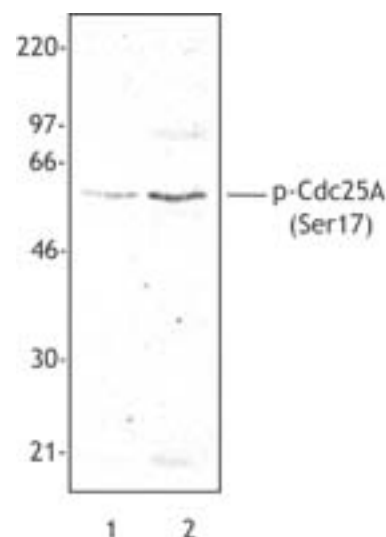


# Product Data Sheet

## Purified anti-Cdc25A-Phosphorylated (Ser17)

**Catalog # / Size:** 620702 / 200 µl (20 Western blots)  
**Clone:** Poly6207  
**Isotype:** Rabbit IgG  
**Immunogen:** Modified peptide  
**Reactivity:** Human, recognizes Ser17-phosphorylated Cdc25A  
**Preparation:** The antibody was peptide-purified by affinity chromatography.  
**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.  
**Storage:** Upon receipt, store frozen at -20° C.



## Applications:

**Applications:** WB - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Description:** Cdc25A (also known as M-phase inducer phosphatase 1 and dual specificity phosphatase Cdc25A) is a 65 kD MPI phosphatase containing a rhodanese domain. This nuclear protein functions as a dosage-dependent inducer in mitotic control required for the progression of cell cycle. Cdc25A activates Cdc2 by dephosphorylation, dephosphorylates CDK2 in complex with cyclin E. Cdc25A is stimulated by cyclins B, downregulated by Chk1 and Cds1/Chk2 phosphorylation. This phosphatase has been shown to interact with Cdc2, cyclin B, Cdk2, Chk1, and Chk2. The Poly6207 antibody recognizes phosphorylated human Cdc25A (Ser17) and has been shown to be useful for Western blotting.

**Antigen References:**

1. Galaktionov K, *et al.* 1991. *Cell*. 67:1181.
2. Jinno S, *et al.* 1994. *EMBO J*. 13:1549.
3. Ducruet A, *et al.* 2003. *J. Biol. Chem.* 278:31838.
4. Sorensen C, *et al.* 2003. *Cancer Cell*. 3:247.

### Related Products:

<b>Product</b>	<b>Clone</b>	<b>Application</b>
Purified anti-Cdc25A	Poly6012	WB
Purified anti-Chk1	Poly6016	WB
Purified anti-Chk2	Poly6017	WB
Purified anti-Cdc25A-Phosphorylated (Ser115)	Poly6206	WB
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB

### Clone

Poly6012  
 Poly6016  
 Poly6017  
 Poly6206  
 Poly4064

### Application

WB  
 WB  
 WB  
 WB  
 ELISA, IHC, WB

*Hela cells were treated with 300 µM mimosine for 16 hrs, then placed in complete media (lane 1) or media containing 200 ng/ml nocodazole (lane 2) for an additional 18hrs. Nuclear extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit polyclonal antibody reactive against phosphorylated Cdc25A (Ser17). Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.*



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biollegend.com/ordering#license](http://www.biollegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.