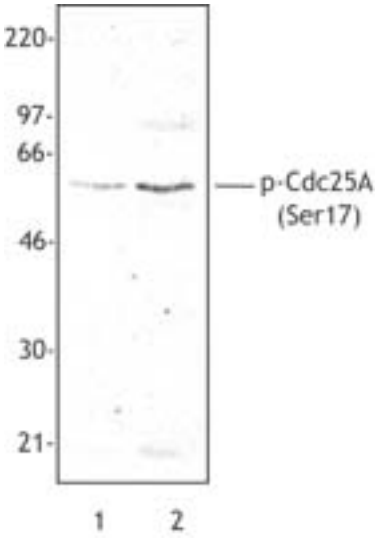
BioLegend
The path to legendary discovery™

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.



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.

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 know 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 timulated 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:

Product	Clone	Application
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

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587