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Product datasheet for AP01546PU-N

CDK1 pThr161 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western Blot:** 1/500-1/1000. **Immunohistochemistry on paraffin sections:** 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	p-CDC2 (pTht161) antibody detects endogenous levels of p-CDC2 protein.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
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.
Predicted Protein Size:	~ 34 kDa
Gene Name:	cyclin-dependent kinase 1
Database Link:	Entrez Gene 983 Human P06493
Background:	The cell cycle in Arabidopsis thaliana mediates organ morphogenesis, cell proliferation and differentiation, and these functions are restricted to the eristems. The cell cycle is controlled by cyclin-dependent kinases, which bind to positive regulators called cyclins. In particular, Arabidopsis B-type cyclin controls cell cycle progression by regulating gene expression late in the G2 and M phases. Expression of cyclin Ds have been shown to increase in response to sucrose. Cdc2 and Cdc2B control cell cycle progression after forming a complex with cyclin. Prolifera and pelota are required for DNA replication and meiotic cell division, respectively.

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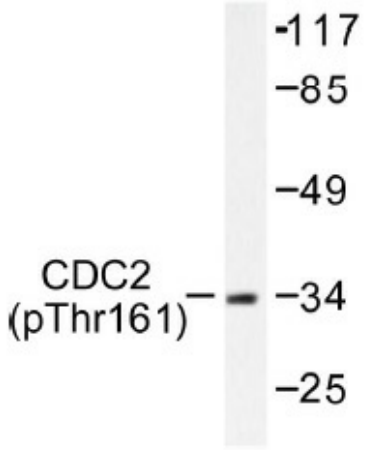
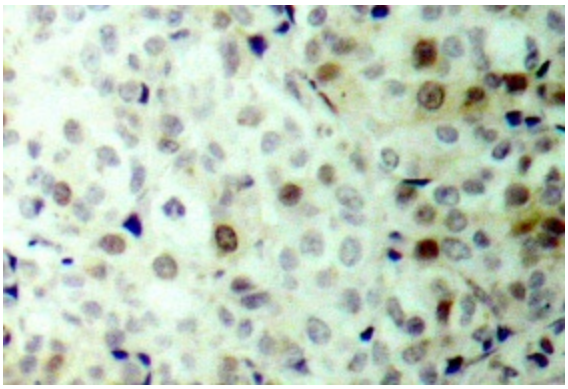
Synonyms: CDK1, CDC2, CDC28A, CDKN1, P34CDC2, p34 protein kinase

Product images:



Western blot (WB) analysis of p-CDC2 (pThr161) antibody Cat.-No.: AP01546PU-N in extracts from A2780 cells.



Immunohistochemistry (IHC) analyzes of p-CDC2 (pThr161) antibody Cat.-No.: AP01546PU-N in paraffin-embedded human breast carcinoma tissue.