

Product datasheet for **TA392933**

Apc6 (CDC16) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from human Cdc16 around the phosphorylation site of S560.
Specificity:	Cdc16 (phospho-S560) polyclonal antibody detects endogenous levels of Cdc16 protein only when phosphorylated at Ser560.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 72 kDa
Gene Name:	cell division cycle 16
Database Link:	Entrez Gene 8881 Human Q13042



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Background:

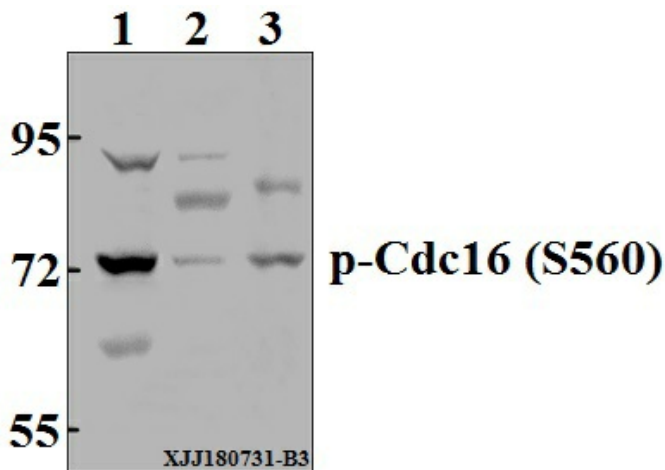
Cell cycle events are regulated by the sequential activation and deactivation of cyclin dependent kinases (Cdks) and by the proteolysis of cyclins. The cell division cycle (Cdc) genes are required at various points in the cell cycle. Cdc25A, Cdc25B and Cdc25C protein Tyrosine phosphatases function as mitotic activators by dephosphorylating Cdc2 p34 on regulatory Tyrosine residues. Cdc6 is the human homolog of *Saccharomyces cerevisiae* Cdc6, which is involved in the initiation of DNA replication. Cdc37 appears to facilitate Cdk4/cyclin D1 complex formation and has been shown to form a stable complex with HSP 90. Cdc34, Cdc27 and Cdc16 function as ubiquitin-conjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1 to S phase transition. Cdc16 and Cdc27 are components of the APC (anaphase-promoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

Synonyms:

ANAPC6; Anaphase-promoting complex subunit 6; APC6; CDC16; CDC16 homolog; CDC16Hs; Cell division cycle protein 16 homolog; Cyclosome subunit 6

Note:

For research use only, not for use in diagnostic procedure.

Product images:


Western blot (WB) analysis of p-Cdc16 (S560) pAb at 1:500 dilution Lane1:A375 whole cell lysate(40µg) Lane2:U-87MG whole cell lysate(40µg) Lane3:C6 whole cell lysate(40µg)