

## Product datasheet for **TA392820**

### CDC34 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 150-200 of Human Cdc34.
Specificity:	Cdc34 (D163) polyclonal antibody detects endogenous levels of Cdc34 protein.
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:	~ 26 kDa
Gene Name:	cell division cycle 34
Database Link:	<a href="#">Entrez Gene 997 Human P49427</a>

**Background:** 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 ubiquitinconjugating enzymes. Cdc34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* Cdc34, which is essential for the G1/S phase transition. Cdc16 and Cdc27 are components of the APC (anaphasepromoting complex) which ubiquitinates cyclin B, resulting in cyclin B/Cdk complex degradation.

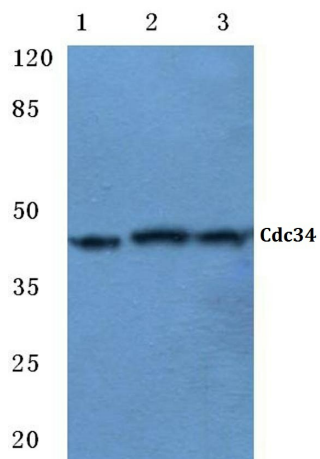


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**Synonyms:** CDC34; UBCH3; UBE2R1; Ubiquitin-conjugating enzyme E2 R1; Ubiquitin-conjugating enzyme E2-32 kDa complementing; Ubiquitin-conjugating enzyme E2-CDC34; Ubiquitin-protein ligase R1

**Note:** For research use only, not for use in diagnostic procedure.

**Product images:**



Western blot (WB) analysis of Cdc34 (D163) pAb at 1:500 dilution Lane1:A549 whole cell lysate(40ug) Lane2:HepG2 whole cell lysate(40ug) Lane3:The Lung tissue lysate of Mouse(40ug) Lane4:PC12 whole cell lysate(40ug)