

Cdc34 Polyclonal Antibody
Catalog # AP73372**Specification****Cdc34 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P49427
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Cdc34 Polyclonal Antibody - Additional Information**Gene ID** 997**Other Names**

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cdc34 Polyclonal Antibody - Protein Information**Name** CDC34**Synonyms** UBCH3, UBE2R1**Function**

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'- linked polyubiquitination (PubMed:22496338). Cooperates with the E2 UBCH5C and the SCF(FBXW11) E3 ligase complex for the polyubiquitination of NFKBIA leading to its subsequent proteasomal degradation. Performs ubiquitin chain elongation building ubiquitin chains from the UBE2D3- primed NFKBIA-linked ubiquitin. UBE2D3 acts as an initiator E2, priming the phosphorylated NFKBIA target at positions 'Lys-21' and/or 'Lys-22' with a monoubiquitin. Cooperates with the SCF(SKP2) E3 ligase complex to regulate cell proliferation through ubiquitination and degradation of MYBL2 and KIP1. Involved in ubiquitin conjugation and degradation of CREM isoform ICERIIgamma and ATF15 resulting in abrogation of ICERIIgamma- and ATF5-mediated repression of cAMP-induced transcription during both meiotic and mitotic cell cycles. Involved in the regulation of the cell cycle G2/M phase through its targeting of the WEE1

kinase for ubiquitination and degradation. Also involved in the degradation of beta-catenin. Is target of human herpes virus 1 protein ICP0, leading to ICP0-dependent dynamic interaction with proteasomes (PubMed: [10329681](http://www.uniprot.org/citations/10329681) target="_blank">10329681, PubMed: [10373550](http://www.uniprot.org/citations/10373550) target="_blank">10373550, PubMed: [10871850](http://www.uniprot.org/citations/10871850) target="_blank">10871850, PubMed: [11675391](http://www.uniprot.org/citations/11675391) target="_blank">11675391, PubMed: [12037680](http://www.uniprot.org/citations/12037680) target="_blank">12037680, PubMed: [15652359](http://www.uniprot.org/citations/15652359) target="_blank">15652359, PubMed: [17461777](http://www.uniprot.org/citations/17461777) target="_blank">17461777, PubMed: [17698585](http://www.uniprot.org/citations/17698585) target="_blank">17698585, PubMed: [19112177](http://www.uniprot.org/citations/19112177) target="_blank">19112177, PubMed: [19126550](http://www.uniprot.org/citations/19126550) target="_blank">19126550, PubMed: [19945379](http://www.uniprot.org/citations/19945379) target="_blank">19945379, PubMed: [20061386](http://www.uniprot.org/citations/20061386) target="_blank">20061386, PubMed: [20347421](http://www.uniprot.org/citations/20347421) target="_blank">20347421).

Cellular Location

Cytoplasm. Nucleus. Note=The phosphorylation of the C-terminal tail plays an important role in mediating nuclear localization. Colocalizes with beta-tubulin on mitotic spindles in anaphase

Tissue Location

Expressed in testes during spermatogenesis to regulate repression of cAMP-induced transcription

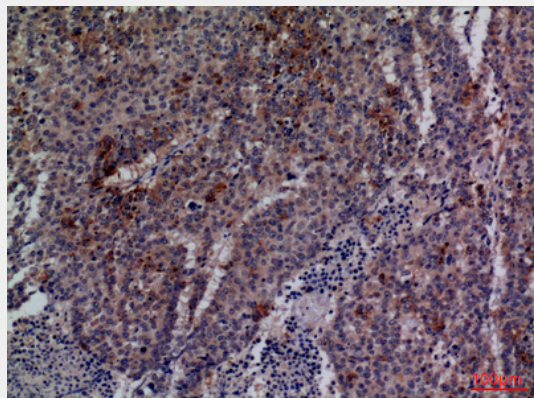
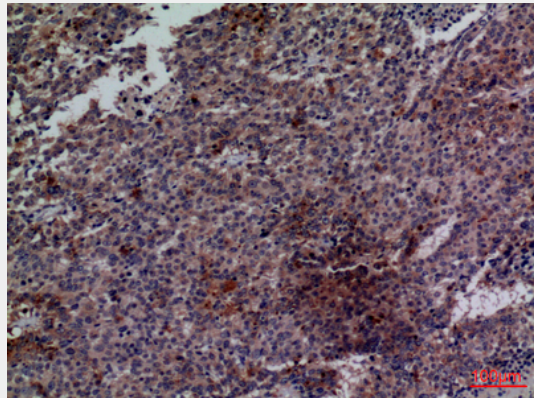
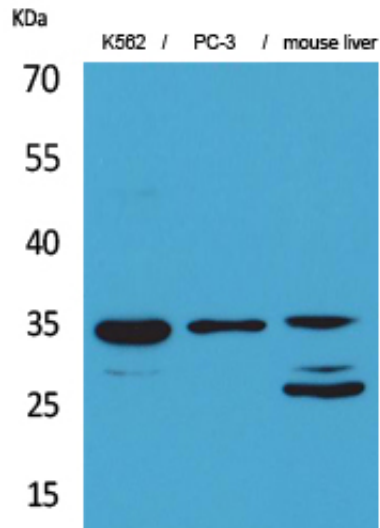
Cdc34 Polyclonal Antibody - Protocols

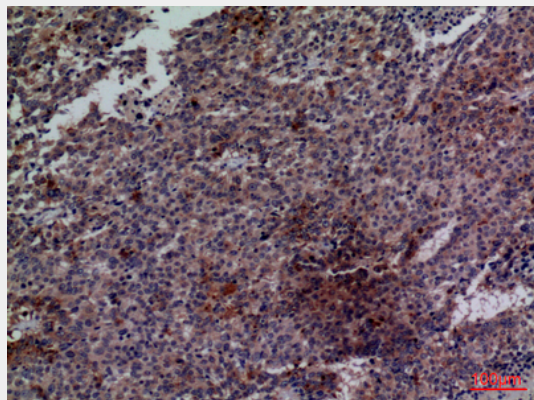
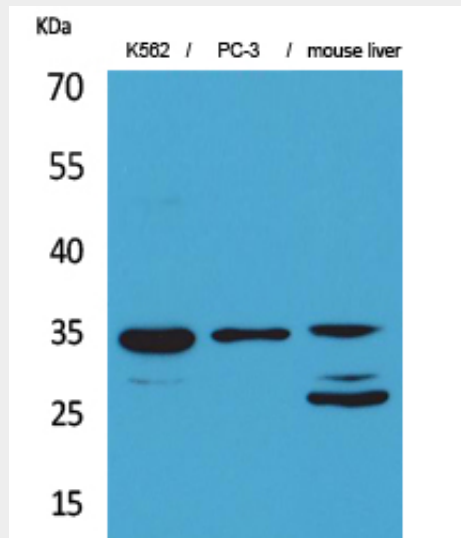
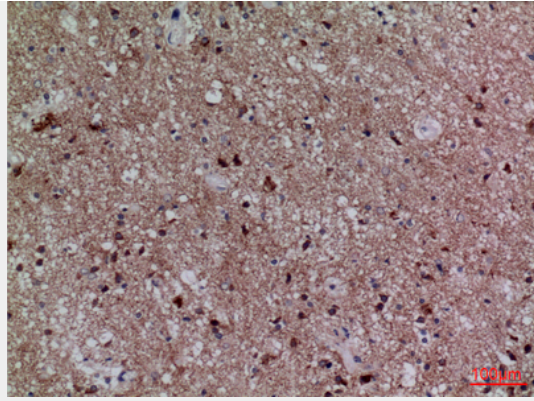
Provided below are standard protocols that you may find useful for product applications.

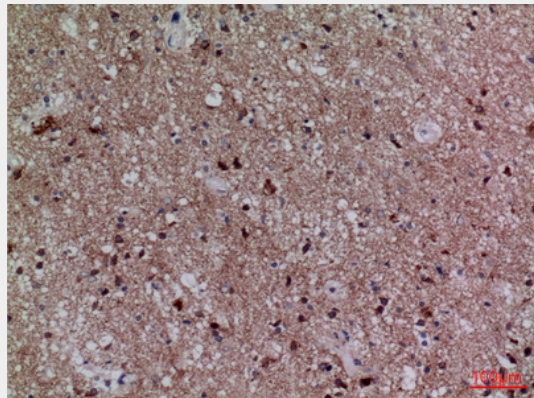
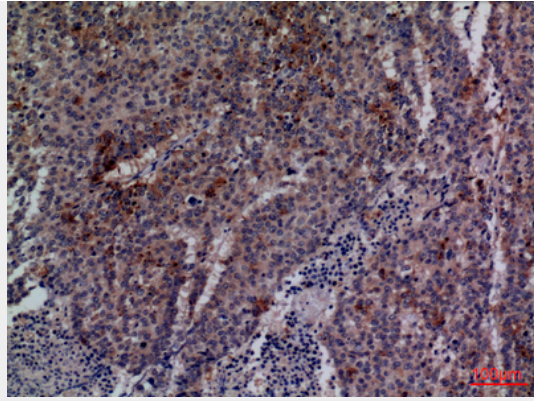
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cdc34 Polyclonal Antibody - Images









Cdc34 Polyclonal Antibody - Background

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