

Cdc34 Polyclonal Antibody

Catalog Number PA5-28173

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:500-1:3,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 236 of Human CDC34	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.61 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: Raji. Predicted reactivity: Mouse (98%), Rat (98%), Xenopus laevis (90%), Bovine (97%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. 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.

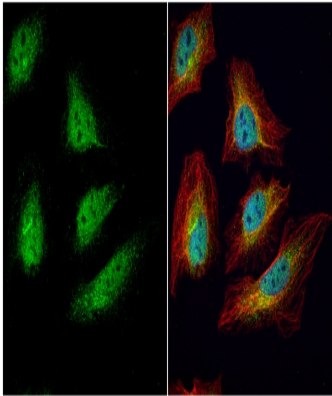
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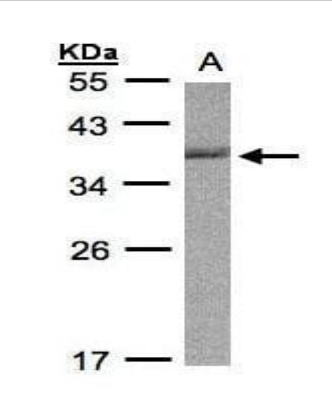
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Product Images For Cdc34 Polyclonal Antibody



Cdc34 Antibody (PA5-28173) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of Cdc34 was performed in HeLa cells fixed in 4% paraformaldehyde at RT for 15 min. Green: Cdc34 Polyclonal Antibody (Product # PA5-28173) diluted at 1:200. Red: alpha Tubulin, a cytoskeleton marker. Blue: Hoechst 33342 staining.



Cdc34 Antibody (PA5-28173) in WB

Western Blot using Cdc34 Polyclonal Antibody (Product # PA5-28173). Sample (30 µg whole cell lysate). A: Raji. 12% SDS PAGE. Cdc34 Polyclonal Antibody (Product # PA5-28173) diluted at 1:1,000.

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