Product Datasheet

Cdc34 Rabbit mAb

Catalog No: #49217

Package Size: #49217-1 50ul #49217-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

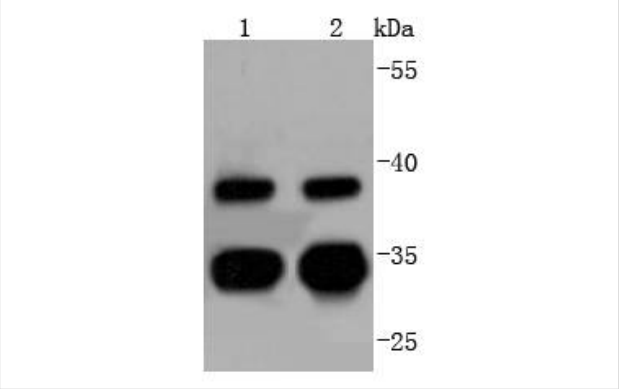
Description

Product Name	Cdc34 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JJ086-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Cdc 34 antibody Cdc34 antibody Cell division cycle 34 antibody Cell division cycle 34 homolog (S. cerevisiae) antibody Cell division cycle 34 homolog antibody E2 CDC34 antibody UB2R1_HUMAN antibody UBC 3 antibody UBC3 antibody UBCH3 antibody UBE2 R1 antibody UBE2R1 antibody Ubiquitin carrier protein antibody Ubiquitin conjugating enzyme Cdc34 antibody Ubiquitin conjugating enzyme E2 32 kDa complementing antibody Ubiquitin protein ligase antibody Ubiquitin protein ligase R1 antibody Ubiquitin-conjugating enzyme E2 R1 antibody Ubiquitin-conjugating enzyme E2-32 kDa complementing antibody Ubiquitin-conjugating enzyme E2-CDC34 antibody Ubiquitin-protein ligase R1 antibody
Accession No.	Swiss-Prot#:P49427
Calculated MW	34 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

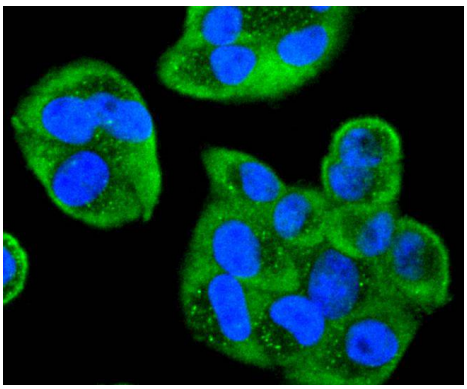
Application Details

WB: 1:1,000-5,000ICC: 1:100-1:500FC: 1:50-1:100

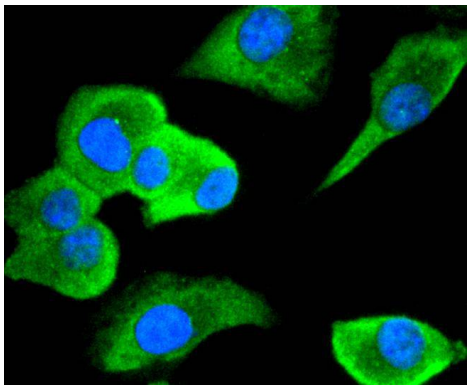
Images



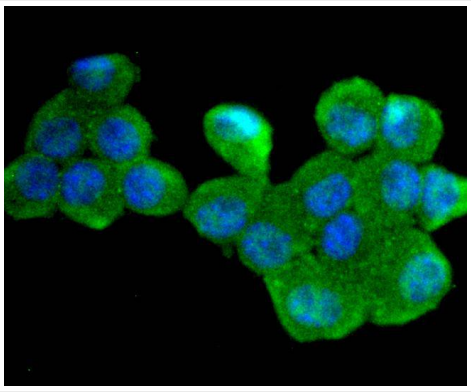
Western blot analysis of Cdc34 on different lysates using anti-Cdc34 antibody at 1/1,000 dilution. Positive control:
Lane 1: K562 Lane 2: Jurkat



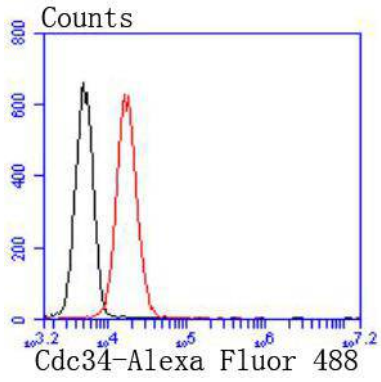
ICC staining Cdc34 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdc34 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Cdc34 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with Cdc34 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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 Hsp90. 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.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.