

APC6 Rabbit mAb

Catalog No: #49201

Package Size: #49201-1 50ul #49201-2 100ul



SAB[®]
Signalway Antibody

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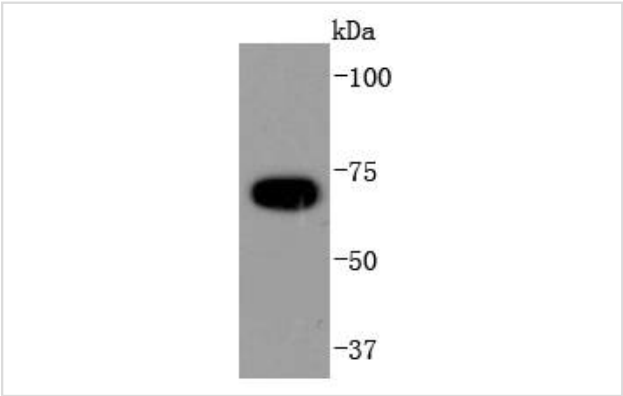
Description

Product Name	APC6 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SD085-8
Purification	ProA affinity purified
Applications	WB, ICC/IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	ANAPC6 antibody Anaphase promoting complex subunit 6 antibody Anaphase-promoting complex subunit 6 antibody Apc 6 antibody APC6 antibody CDC 16 antibody CDC16 (cell division cycle 16 S. cerevisiae homolog) antibody Cdc16 antibody CDC16 homolog antibody CDC16 protein antibody CDC16_HUMAN antibody CDC16Hs antibody Cell division cycle 16 antibody Cell division cycle 16 homolog antibody Cell division cycle protein 16 homolog antibody CUT9 antibody Cyclosome subunit 6 antibody
Accession No.	Swiss-Prot#:Q13042
Calculated MW	72 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

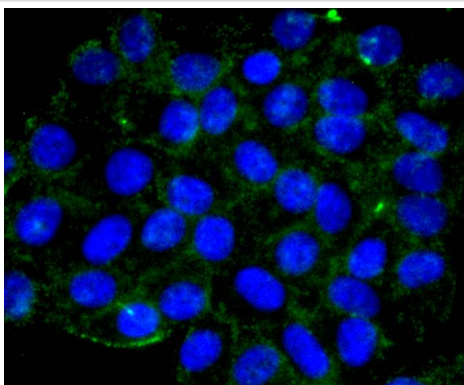
Application Details

WB: 1:1,000-1:2,000 ICC: 1:50-1:200

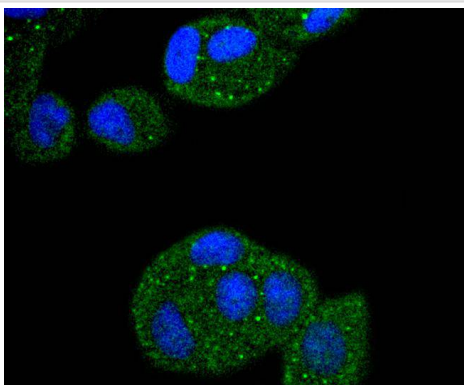
Images



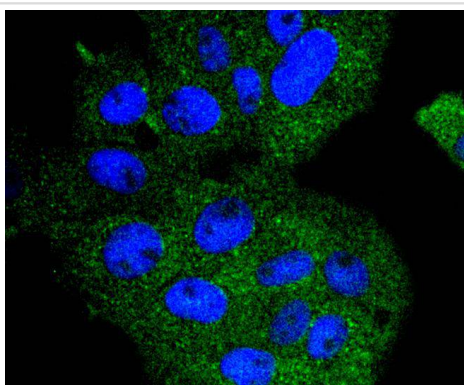
Western blot analysis of APC6 on Hela cells lysates using anti-APC6 antibody at 1/1,000 dilution.



ICC staining APC6 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining APC6 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining APC6 in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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.