

CDC27 Monoclonal Antibody

Catalog No :	YM0143
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	CDC27
Fields :	>>Cell cycle;>>Oocyte meiosis;>>Ubiquitin mediated proteolysis;>>Progesterone-mediated oocyte maturation;>>Human T-cell leukemia virus 1 infection
Gene Name :	CDC27
Protein Name :	Cell division cycle protein 27 homolog
Human Gene Id :	996
Human Swiss Prot No :	P30260
Mouse Swiss Prot No :	A2A6Q5
Immunogen :	Purified recombinant fragment of human CDC27 expressed in E. Coli.
Specificity :	CDC27 Monoclonal Antibody detects endogenous levels of CDC27 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. ELISA: 1:10000.. IF 1:50-200
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	92kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Oocyte meiosis;Ubiquitin mediated proteolysis;Progesterone-mediated oocyte maturation;

P References : 1. Mol Cell Biol. 2004 May;24(9):3577-87.
2. J Biol Chem. 2004 Oct 1;279(40):42128-38.

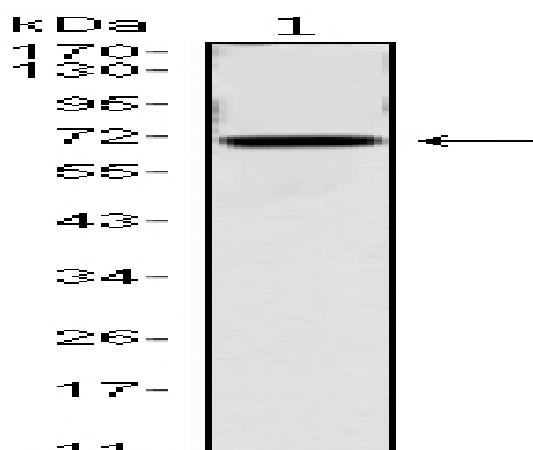
Background : The protein encoded by this gene shares strong similarity with *Saccharomyces cerevisiae* protein Cdc27, and the gene product of *Schizosaccharomyces pombe* nuc 2. This protein is a component of the anaphase-promoting complex (APC), which is composed of eight protein subunits and is highly conserved in eukaryotic cells. This complex catalyzes the formation of cyclin B-ubiquitin conjugate, which is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. The protein encoded by this gene and three other members of the APC complex contain tetratricopeptide (TPR) repeats, which are important for protein-protein interactions. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p53CDC and BUBR1, and it may thus be involved in controlling the timing of mitosis. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been i

Function : PTM:Phosphorylated. Phosphorylation on Ser-426 and Thr-446 occurs specifically during mitosis.,similarity:Belongs to the APC3/CDC27 family.,similarity:Contains 9 TPR repeats.,subunit:Interacts with RB.,

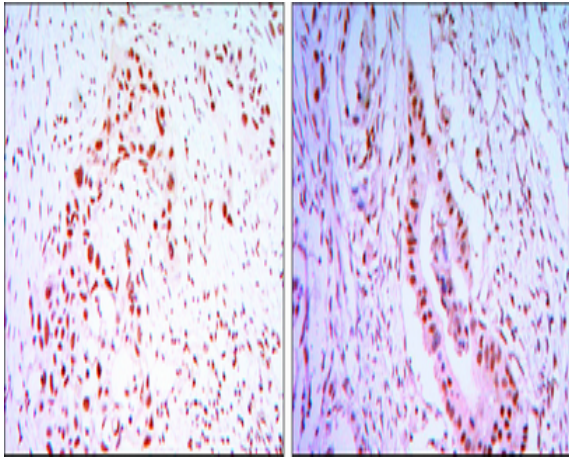
Subcellular Location : Nucleus . Cytoplasm, cytoskeleton, spindle .

Expression : Epithelium,Uterus,

Products Images



Western Blot analysis using CDC27 Monoclonal Antibody against CDC27-hlgFc transfected HEK293 cell.



Immunohistochemistry analysis of paraffin-embedded lung cancer tissues (left) and colon cancer tissues (right) with DAB staining using CDC27 Monoclonal Antibody.