



Anti-CDC27 monoclonal antibody (DCABH-10938)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene shares strong similarity with <i>Saccharomyces cerevisiae</i> protein Cdc27, and the gene product of <i>Schizosaccharomyces pombe</i> nuc 2. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eucaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p53CDC and BUBR1, and thus may be involved in controlling the timing of mitosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	A synthetic peptide of human CDC27 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CDC27 cell division cycle 27 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	CDC27
Synonyms	CDC27; cell division cycle 27 homolog (S. cerevisiae); cell division cycle 27 , D17S978E, D0S1430E; cell division cycle protein 27 homolog; ANAPC3; anaphase promoting complex subunit 3; APC3; NUC2; H-NUC; nuc2 homolog; CDC27 homolog; anaphase-promoting complex subunit 3; anaphase-promoting complex, protein 3; HNUC; CDC27Hs; D0S1430E; D17S978E;
Entrez Gene ID	996
Protein Refseq	NP_001107563
UniProt ID	P30260
Chromosome Location	17q21.32
Pathway	APC/C complex, organism-specific biosystem; APC/C complex, conserved biosystem; APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, or
Function	protein binding; protein phosphatase binding;