Datasheet for ABIN1679113

anti-CDC27 antibody (AA 551-830)

4 Images

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Overview

Quantity:	100 µg
Target:	CDC27
Binding Specificity:	AA 551-830
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC27 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 551-830 of human CDC27 (NP_001107563.1).
Sequence:	HLQKDVALSV LSKDLTDMDK NSPEAWCAAG NCFSLQREHD IAIKFFQRAI QVDPNYAYAY TLLGHEFVLT EELDKALACF RNAIRVNPRH YNAWYGLGMI YYKQEKFSLA EMHFQKALDI NPQSSVLLCH IGVVQHALKK SEKALDTLNK AIVIDPKNPL CKFHRASVLF ANEKYKSALQ ELEELKQIVP KESLVYFLIG KVYKKLGQTH LALMNFSWAM DLDPKGANNQ IKEAIDKRYL PDDEEPITQE EQIMGTDESQ ESSMTDADDT QLHAAESDEF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

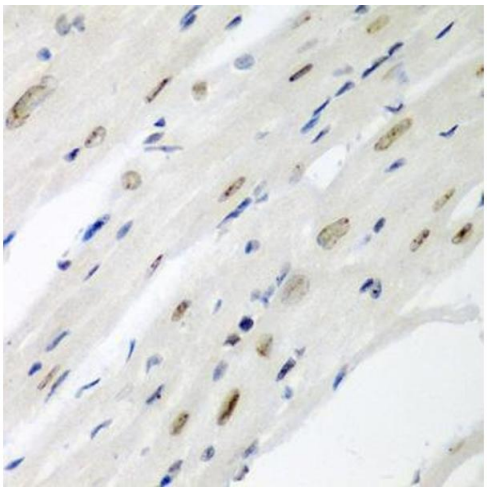
Target:	CDC27
Alternative Name:	CDC27 (CDC27 Products)
Background:	The protein encoded by this gene shares strong similarity with Saccharomyces cerevisiae protein Cdc27, and the gene product of Schizosaccharomyces pombe nuc 2. This protein is a component of the anaphase-promoting complex (APC), which 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, p55CDC 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 identified on chromosomes 2, 22 and Y.,CDC27,ANAPC3,APC3,CDC27Hs,D0S1430E,D17S978E,H-NUC,HNUC,NUC2,Cell Biology & Developmental Biology,Cell Cycle,Ubiquitin,Ubiquitin-Proteasome Signaling Pathway,CDC27
Molecular Weight:	91 kDa/92 kDa
Gene ID:	996
UniProt:	P30260

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

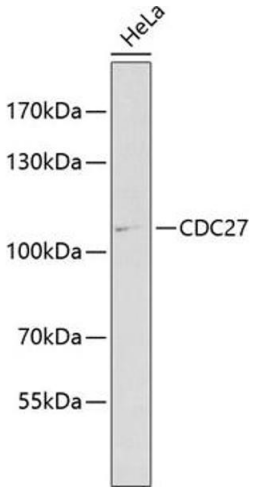
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



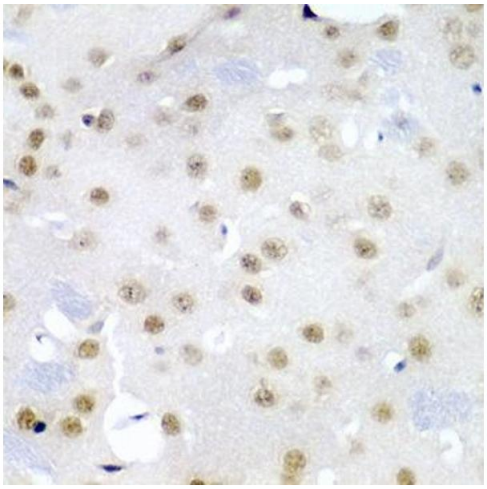
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse heart using CDC27 antibody (ABIN3015756, ABIN3015757, ABIN1679113 and ABIN6219104) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of HeLa cells, using CDC27 antibody (ABIN3015756, ABIN3015757, ABIN1679113 and ABIN6219104) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse brain using CDC27 antibody (ABIN3015756, ABIN3015757, ABIN1679113 and ABIN6219104) at dilution of 1:200 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN1679113.