For Research Use Only
CDC27; APC3 Polyclonal antibody
Catalog Number:10918-1-AP
Featured Product
3 Publications
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| Basic Information | Catalog Number: 10918-1-AP | GenBank Accession Number: BC011656 | Purification Method: Antigen affinity purifi |
| :---: | :---: | :---: | :---: |
|  | Size <br> $700 \mu \mathrm{~g} / \mathrm{ml}$ | GenelD (NCBI): <br> 996 | Recommended Dilutio WB 1:2000-1:16000 |
|  | Source: Rabbit | UNIPROT ID: <br> P30260 | IP 0.5-4.0 ug for 1.0-3.0 protein lysate |
|  | Isotype: <br> $\lg G$ <br> Immunogen Catalog Number: | Full Name: <br> cell division cycle 27 homolog (S cerevisiae) | IF 1:20-1:200 |
|  | Immunogen Catalog Number: AG1345 | Calculated MW: 92 kDa |  |
|  |  | $\begin{aligned} & \text { Observed MW: } \\ & 92 \mathrm{kDa} \end{aligned}$ |  |
| $\overline{\text { Applications }}$ | Tested Applications: FC, IF/ICC, IHC, IP, WB, ELSA |  | Positive Controls: <br> WB : Jurkat cells, K-562 cells |
|  | Cited Applications: IHC, WB |  | WB : Jurkat cells, K-562 cells <br> IP: K-562 cells, <br> IHC : human prostate cancer tissue |
|  | Species Specificity: human, mouse, rat |  | prostate cancer tissue, <br> cells, |
|  | Cited Species: human |  |  |
|  | Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 |  |  |

## Background Information

CDC27/APC3 is a component of the anaphase-promoting complex (APC/cyclosome), which is composed of eight subunits and highly conserved in eukaryotic cells. The APC/cyclosome complex acts as a cell cycle-regulated E3 ubiquitin ligase which mediates ubiquitination and subsequent degradation of target proteins, and lead to the progression control through mitosis and the G1 phase of the cell cycle.
$\overline{\text { Notable Publications }}$

Storage

Tested Applications:
FC, IF/ICC, IHC, IP, WB, ELISA

Species Specificity:
Cited Species:
human
Note-IHC: suggested antigen retrieval with mal
buffer pH 6.0

| Author | Pubmed ID | Journal | Application |
| :--- | :--- | :--- | :--- |
| Lin Oiu | 35242701 | Front Oncol | WB,IHC |
| Yiming He | 33931584 | Cell Death Dis | WB |
| Zhuoying Feng | 27974673 | Oncotarget | IHC |

Storage:
Store at $-20^{\circ} \mathrm{C}$. Stable for one year after shipment.

Storage Buffer:
PBS with $0.02 \%$ sodium azide and $50 \%$ glycerol pH 7.3.
Aliquoting is unnecessary for $-20^{\circ} \mathrm{C}$ storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com $\begin{aligned} & \text { W: ptgcn.com }\end{aligned}$

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.


Various lysates were subjected to SDS PAGE
followed by western blot with 10918-1-AP (CDC27; APC3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.


1X10^6 K-562 cells were intracellularly stained with 0.2 ug Anti-Human CDC27; APC3 (10918-1-AP) and CoraLite®488-Conjugated Affini Pure Goat Anti-Rabbit $\operatorname{lgG}(\mathrm{H}+\mathrm{L})$ at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with $90 \%$ MeOH .


IP result of anti-CDC27; APC3 (IP:10918-1-AP, 3ug; Detection:10918-1-AP 1:600) with K-562 cells lysate 11000ug.


Immunohistochemical analysis of paraffinembedded human prostate cancer tissue slide using 10918-1-AP (CDC27: APC3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer ( pH 9.0 ).


Immunofluorescent analysis of SH-SY5Y cells, using CDC27 antibody 10918-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG(green). Blue pseudocolor = DAPI (fluorescent DNA dye).

