

For Research Use Only

# CDC27; APC3 Monoclonal antibody, PBS Only



Catalog Number: 67239-1-PBS

## Basic Information

<b>Catalog Number:</b> 67239-1-PBS	<b>GenBank Accession Number:</b> BC011656	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 996	<b>CloneNo.:</b> 2F10G2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P30260	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> cell division cycle 27 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG25588	<b>Calculated MW:</b> 92 kDa	
	<b>Observed MW:</b> 90-100 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IF-P, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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.

## Storage

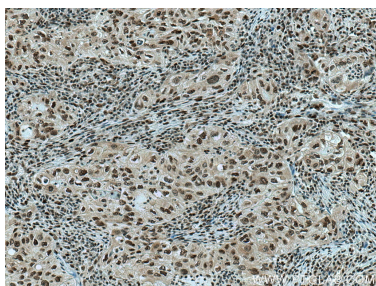
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

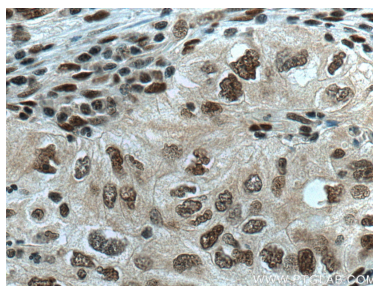
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

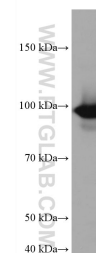
## Selected Validation Data



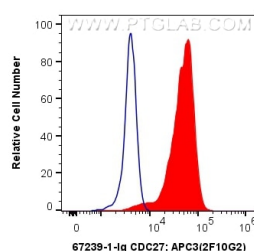
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.



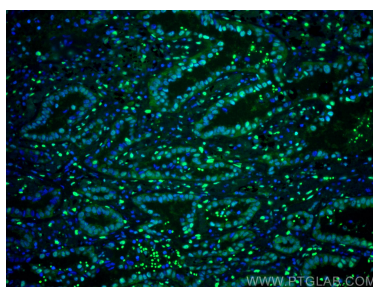
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.



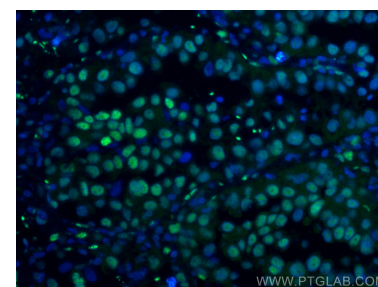
Jurkat cells were subjected to SDS PAGE followed by western blot with 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.



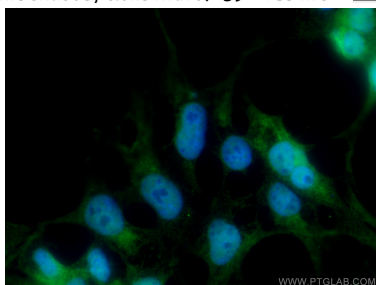
1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.4 ug Anti-Human CDC27; APC3 (67239-1-Ig, Clone: 2F10G2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67239-1-PBS in a



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CDC27; APC3 antibody (67239-1-Ig, Clone: 2F10G2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using CDC27; APC3 antibody (67239-1-Ig, Clone: 2F10G2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CDC27; APC3 antibody (67239-1-Ig, Clone: 2F10G2) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67239-1-PBS in a different storage buffer formulation.