For Research Use Only

CDC27; APC3 Monoclonal antibody

Catalog Number:67239-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67239-1-Ig

Size:
150ul , Concentration: 2075 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG25588

GenBank Accession Number:
BC011656

GeneID (NCBI):
996

UNIPROT ID:
P30260

Full Name:
cell division cycle 27 homolog (S. cerevisiae)

Calculated MW:
92 kDa

Observed MW:
90-100 kDa

Purification Method:
Protein A purification

CloneNo.:
2F10G2

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:2500-1:10000
IF-P 1:200-1:800
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, HEK-293 cells, HSC-T6 cells, 4T1 cells

IHC : human lung cancer tissue,

IF-P : human lung cancer tissue,

IF/ICC : HEK-293 cells,

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.

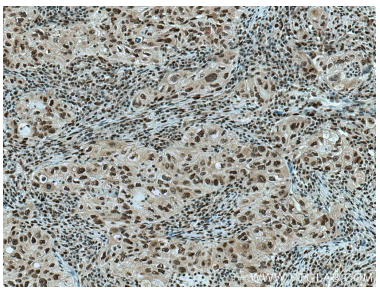
Storage

Storage:
Store at -20°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°C storage

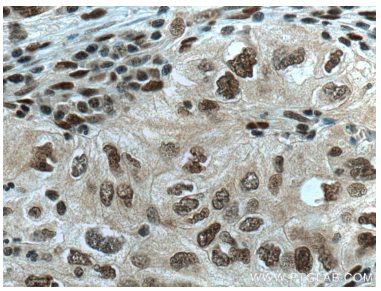
*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

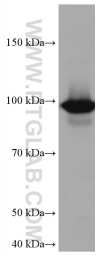
Selected Validation Data



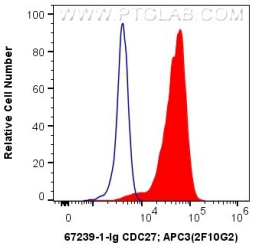
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



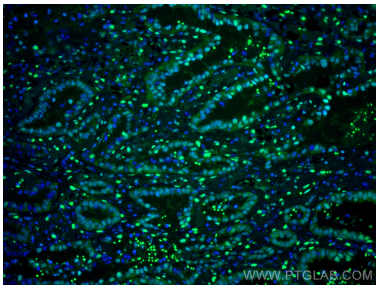
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



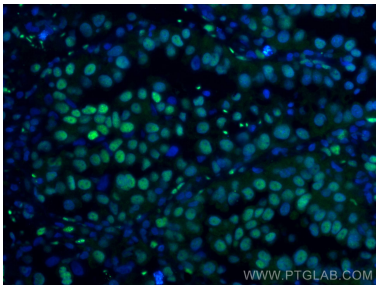
Jurkat cells were subjected to SDS PAGE followed by western blot with 67239-1-Ig (CDC27; APC3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



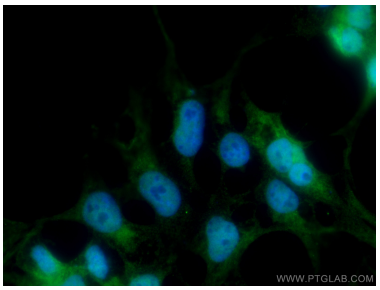
1X10^6 K-562 cells were intracellularly stained with 0.4 ug Anti-Human CDC27; APC3 (67239-1-Ig, Clone:2F10G2) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



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 Goat Anti-Mouse IgG(H+L).



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 Goat Anti-Mouse IgG(H+L).



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 Goat Anti-Mouse IgG(H+L).