

For Research Use Only

CoraLite® Plus 488-conjugated EXOSC3 Polyclonal antibody



Catalog Number: CL488-15062

Featured Product

Basic Information

Catalog Number:

CL488-15062

Size:

100ul, Concentration: 1000 µg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7065

GenBank Accession Number:

BC002437

GeneID (NCBI):

51010

UNIPROT ID:

Q9NQT5

Full Name:

exosome component 3

Calculated MW:

30 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF : PC-3 cells,

Background Information

RNA exosomes are multi-subunit complexes conserved throughout evolution, and they are emerging as the major cellular machinery for processing, surveillance and turnover of a diverse spectrum of coding and noncoding RNA substrates essential for viability [PMID:22544365]. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts [PMID:11782436]. EXOSC3 is a non-catalytic component of the RNA exosome complex which has 3'→5' exoribonuclease activity and involves in a multitude of cellular RNA processing and degradation events. EXOSC3 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of Rnase PH-domain subunits through contacts with EXOSC9 and EXOSC5 [PMID:21255825].

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

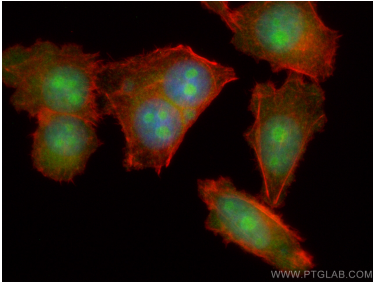
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using CoraLite® Plus 488 EXOSC3 antibody (CL488-15062) at dilution of 1:200, CL594-Phalloidin (red).