

For Research Use Only

LUC7L2 Polyclonal antibody

Catalog Number: 24202-1-AP

Featured Product



Basic Information

Catalog Number:

24202-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21135

GenBank Accession Number:

BC017163

GeneID (NCBI):

51631

UNIPROT ID:

Q9Y383

Full Name:

LUC7-like 2 (S. cerevisiae)

Calculated MW:

392 aa, 47 kDa

Observed MW:

46 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, HeLa cells

IF/ICC : A431 cells,

Background Information

RNA-binding protein LUC7L2 as a negative regulator of DNA virus-triggered innate immune response. Mechanistically, LUC7L2 directly bound to intron 3 of MTA precursor messenger RNA, inhibited its splicing, and promoted its nonsense-mediated decay, leading to its downregulation at the protein level (PMID:34155193). Moreover, LUC7L2 as a component of the U1 snRNP capable of reprogramming cellular metabolism through changes in alternative pre-mRNA splicing (PMID:33961773).

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

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

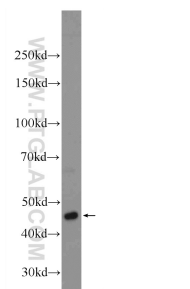
T: 4006900926

E: Proteintech-CN@ptglab.com

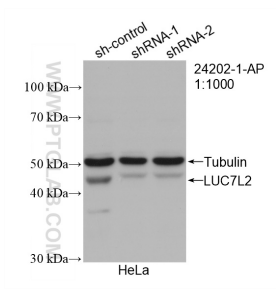
W: ptgcn.com

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

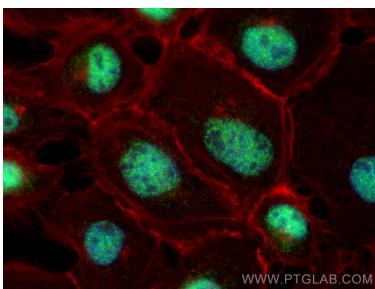
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 24202-1-AP (LUC7L2 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of LUC7L2 antibody (24202-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LUC7L2 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using LUC7L2 antibody (24202-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).