

For Research Use Only

LUC7L2 Polyclonal antibody

Catalog Number: 24202-1-AP

Featured Product



Basic Information

Catalog Number: 24202-1-AP	GenBank Accession Number: BC017163	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 347 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51631	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Source: Rabbit	Full Name: LUC7-like 2 (<i>S. cerevisiae</i>)	
Isotype: IgG	Calculated MW: 392 aa, 47 kDa	
Immunogen Catalog Number: AG21135	Observed MW: 46 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : K-562 cells, HeLa cells
Species Specificity: human	IF : HeLa 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 MITA precursor messenger RNA, inhibited its splicing and promoted its nonsense-mediated decay, leading to its downregulation at 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

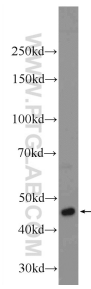
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

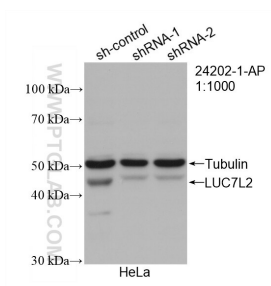
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

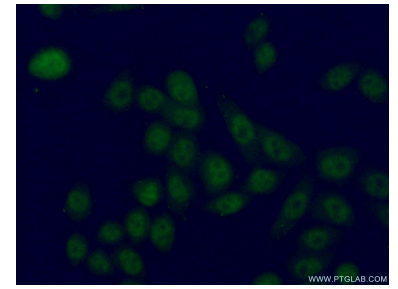
Selected Validation Data



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 HeLa cells using 24202-1-AP (LUC7L2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).