

For Research Use Only

COPS7B Polyclonal antibody

Catalog Number:32695-1-AP



Basic Information

Catalog Number:

32695-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38543

GenBank Accession Number:

NM_022730.3

GeneID (NCBI):

64708

UNIPROT ID:

Q9H9Q2

Full Name:

COP9 constitutive photomorphogenic homolog subunit 7B (Arabidopsis)

Calculated MW:

30 kDa, 264 aa

Observed MW:

30 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, human testis tissue, mouse testis tissue, rat testis tissue

Background Information

COP9 signalosome complex subunit 7b (COPS7B, also known as CSN7B) is a component of the ribo-interactome that interacts with ribosomes to facilitate ribosome biogenesis and mRNA translation initiation (PMID: 27903243). Increased expression of COPS7B mediated by IGF2BP3 elevates the translational efficiency of genes enriched in mRNA translation and ribosome biogenesis pathways, promoting protein synthesis and driving progression in colorectal cancer (PMID: 37560971).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

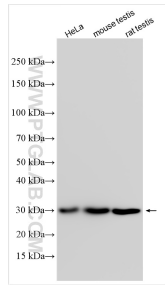
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32695-1-AP (COPS7B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.