

For Research Use Only

# COPS7B Polyclonal antibody

Catalog Number:32695-1-AP



## Basic Information

**Catalog Number:**

32695-1-AP

**Size:**

150ul , Concentration: 300 ug/ml by Nanodrop;

**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

\*\*\* 20ul sizes contain 0.1% BSA

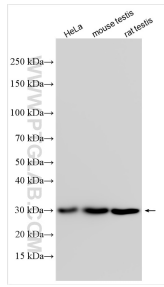
For technical support and original validation data for this product please contact:

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## 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.