

# RPS12 Monoclonal antibody

Catalog Number: 67683-1-Ig

## Basic Information

**Catalog Number:**

67683-1-Ig

**Size:**

1119 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG9649

**GenBank Accession Number:**

BC017321

**GeneID (NCBI):**

6206

**UNIPROT ID:**

P25398

**Full Name:**

ribosomal protein S12

**Calculated MW:**

132 aa, 15 kDa

**Observed MW:**

15 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1A3D1

**Recommended Dilutions:**

WB 1:2000-1:10000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, NCI-H1299 cells, HEK-293 cells, HepG2 cells, HSC-T6 cells, NIH/3T3 cells, PC-12 cells, 4T1 cells

**IHC :** human breast cancer tissue, human colon cancer tissue

**IF/ICC :** HepG2 cells,

## Background Information

RPS12 (ribosomal protein S12) is a plastid ribosomal protein which is a part of the 30S ribosomal subunit. Together with S4 and S5 plays an important role in translational accuracy.

## Storage

**Storage:**

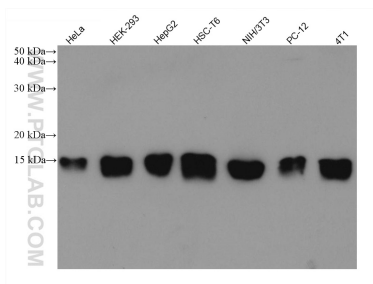
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

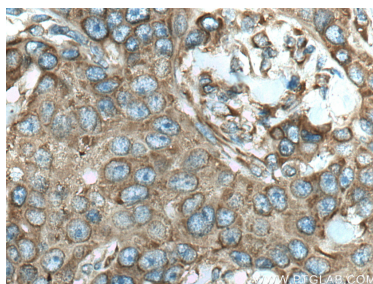
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

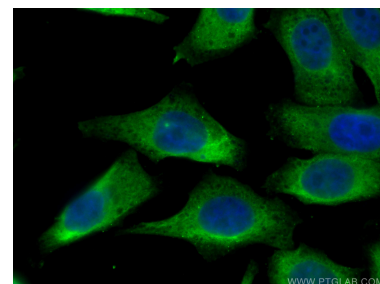
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67683-1-Ig (RPS12 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67683-1-Ig (RPS12 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RPS12 antibody (67683-1-Ig, Clone: 1A3D1 ) at dilution of 1:200 and Coralite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).