

For Research Use Only

RPL7A Polyclonal antibody

Catalog Number: 15340-1-AP

9 Publications



Basic Information

Catalog Number:

15340-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7543

GenBank Accession Number:

BC005128

GeneID (NCBI):

6130

UNIPROT ID:

P62424

Full Name:

ribosomal protein L7a

Calculated MW:

266 aa, 30 kDa

Observed MW:

30-32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : MCF7 cells, MCF-7 cells, mouse kidney tissue, mouse liver tissue, rat kidney tissue

IP : mouse kidney tissue,

IHC : human breast cancer tissue,

IF/ICC : HepG2 cells,

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

Background Information

Ribosomal proteins are a major component of ribosomes, which catalyze protein synthesis. RPL7a, which is a component of the 60S large ribosomal subunit, has additional functions involved in cell growth and differentiation that occur via interaction with human thyroid hormone receptor (THR) and retinoic acid receptor (RAR) and in turn inhibit the activities of the two nuclear hormone receptors [PMID:21505254].

Notable Publications

Author	Pubmed ID	Journal	Application
Suman Rimal	34663454	Acta Neuropathol Commun	WB
Takashi Mino	26000482	Cell	WB, IF
Hiroki Tanaka	31072819	J Exp Med	WB

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

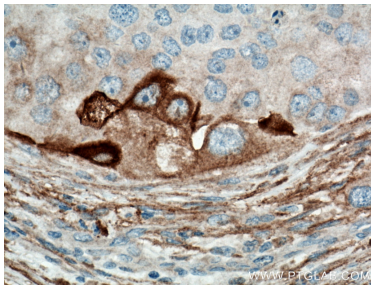
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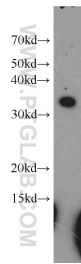
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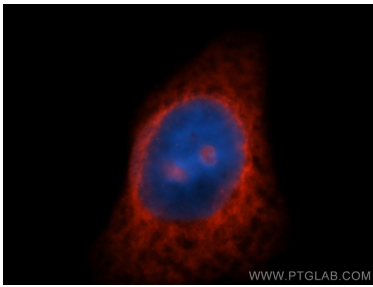
Selected Validation Data



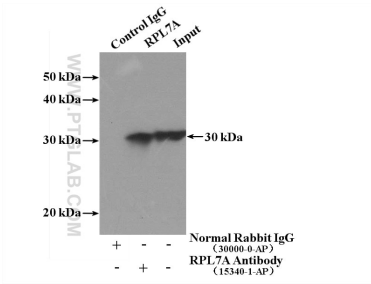
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 15340-1-AP (RPL7A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



MCF7 cells were subjected to SDS PAGE followed by western blot with 15340-1-AP (RPL7A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using RPL7A antibody 15340-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-RPL7A (IP:15340-1-AP, 4ug; Detection:15340-1-AP 1:1000) with mouse kidney tissue lysate 4000ug.