

For Research Use Only

RPL29 Polyclonal antibody

Catalog Number: 15799-1-AP

8 Publications



Basic Information

Catalog Number:

15799-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8510

GenBank Accession Number:

BC008926

GeneID (NCBI):

6159

UNIPROT ID:

P47914

Full Name:

ribosomal protein L29

Calculated MW:

159 aa, 18 kDa

Observed MW:

20-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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, HEK-293T cells, NIH/3T3 cells, C6 cells, mouse pancreas tissue, HUVEC cells, HepG2 cells

IHC: mouse brain tissue, human breast cancer tissue, human liver cancer tissue

IF/ICC: HepG2 cells,

Background Information

Ribosomal protein L29 (Rpl29) is a component of the large (60S) ribosomal subunit which is abundantly expressed in all cell types, plays a regulatory role in translation efficiency and is essential for protein synthesis (PMID: 17195189). In contrast to adult tissues, RPL29 displays a much more widespread pattern of expression throughout embryonic development, and high levels of RPL29 are found in all developing organs. Several reports showed that RPL29 expression is up-regulated in human carcinomas and constitutes a candidate marker for abnormal growth when overexpressed (PMID: 9788632, 10383165). The antibody can detect the band around 22kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Chandreyee Datta	36306353	Sci Adv	WB
Mohammad Ishaque Ali	33004906	Sci Rep	WB
Heeseon An	32612236	Nature	WB

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

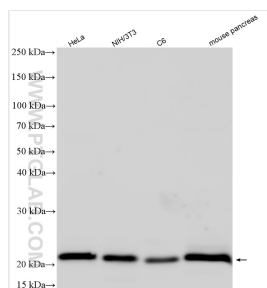
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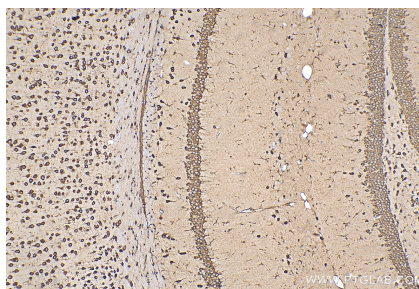
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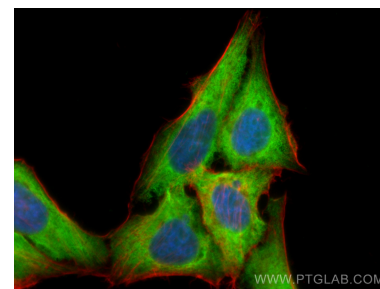
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15799-1-AP (RPL29 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15799-1-AP (RPL29 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RPL29 antibody (15799-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).