

For Research Use Only

C12orf29 Polyclonal antibody, PBS Only

Catalog Number: 31647-1-PBS

Featured Product



Basic Information

Catalog Number:

31647-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35681

GenBank Accession Number:

NM_001009894.2

GeneID (NCBI):

91298

UNIPROT ID:

Q8N999

Full Name:

chromosome 12 open reading frame 29

Calculated MW:

37kDa 325aa

Observed MW:

37 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

Background Information

C12orf29, also known as RLIG1, is a 37 kDa human protein consisting of 325 amino acids. It catalyzes ATP-dependent RNA ligation via a three-step mechanism involving tandem auto- and RNA AMPylation (PMID: 36792600).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

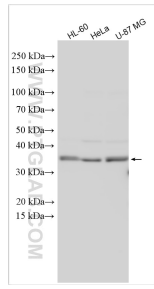
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

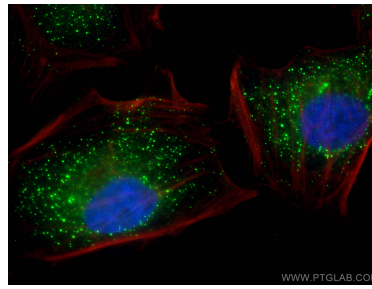
E: proteintech@ptglab.com
W: ptglab.com

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

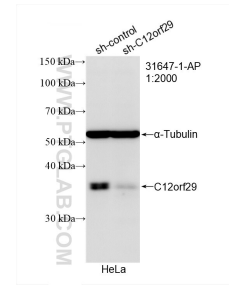
Selected Validation Data



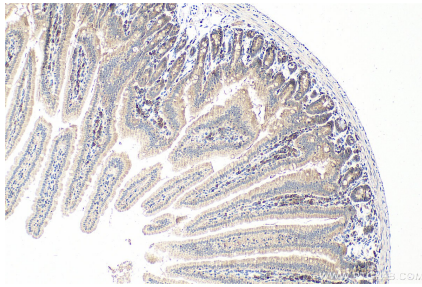
Various lysates were subjected to SDS PAGE followed by western blot with 31647-1-AP (C12orf29 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31647-1-PBS in a different storage buffer formulation.



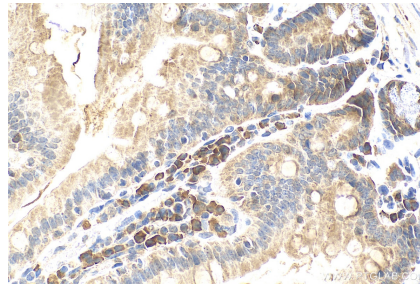
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using C12orf29 antibody (31647-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red). This data was developed using the same antibody clone with 31647-1-PBS in a different storage buffer formulation.



WB result of C12orf29 antibody (31647-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C12orf29 transfected HeLa cells. This data was developed using the same antibody clone with 31647-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 31647-1-AP (C12orf29 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31647-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 31647-1-AP (C12orf29 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31647-1-PBS in a different storage buffer formulation.