

For Research Use Only

C12orf29 Polyclonal antibody

Catalog Number: 31647-1-AP



Basic Information

Catalog Number: 31647-1-AP	GenBank Accession Number: NM_001009894.2	Purification Method: Antigen affinity Purification
Size: 350 ug/ml	GeneID (NCBI): 91298	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:500-1:2000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N999	
Isotype: IgG	Full Name: chromosome 12 open reading frame 29	
Immunogen Catalog Number: AG35681	Calculated MW: 37kDa, 325aa	
	Observed MW: 37 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HL-60 cells, HeLa cells, U-87 MG cells
Species Specificity: human	IHC : mouse small intestine tissue, IF/ICC : HeLa 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

C12orf29, also known as RLI1, 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 -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

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

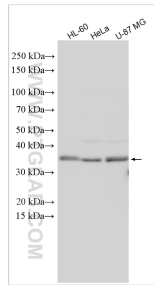
T: 4006900926

E: Proteintech-CN@ptglab.com

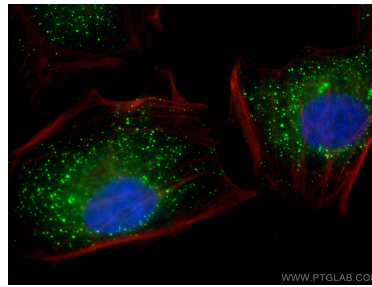
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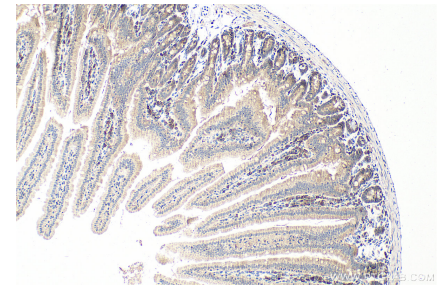
Selected Validation Data



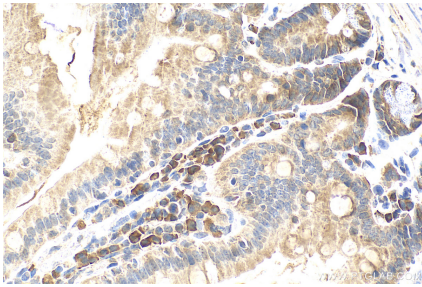
Various lysates were subjected to SDS PAGE followed by western blot with 31647-1-AP (C12orf29 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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).



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).