

For Research Use Only

# ARIH1 Polyclonal antibody

Catalog Number: 14949-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

14949-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6760

### GenBank Accession Number:

BC051877

### GeneID (NCBI):

25820

### UNIPROT ID:

Q9Y4X5

### Full Name:

ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)

### Calculated MW:

64 kDa

### Observed MW:

64 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human

**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, Jurkat cells, LNCaP cells, NIH/3T3 cells

IHC : mouse small intestine tissue,

## Background Information

ARIH1 (Ariadne-1 homolog) is a member of the Ariadne family of E3 ubiquitin ligases with a cognate E2 enzyme UBCH79,10,11. ARIH1 plays a role in protein translation regulation in response to DNA damage and to ubiquitinate EIF4E2 (PMID: 15236971, PMID: 1532592, PMID: 24076655, PMID: 27565346, PMID: 23707686). ARIH1 signaling promotes anti-tumor immunity by targeting PD-L1 for proteasomal degradation (PMID: 33879767).

## Notable Publications

| Author       | Pubmed ID | Journal  | Application |
|--------------|-----------|----------|-------------|
| Lucky Sarkar | 39386617  | bioRxiv  | WB          |
| Lei Chu      | 38421872  | Cell Rep | 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

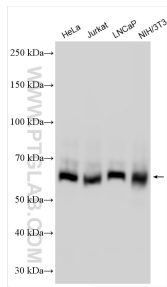
For technical support and original validation data for this product please contact:

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

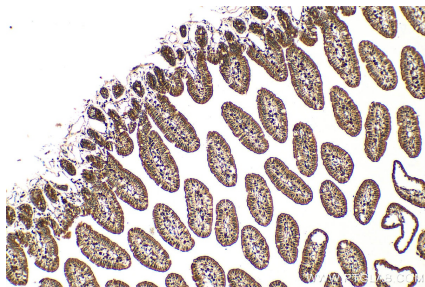
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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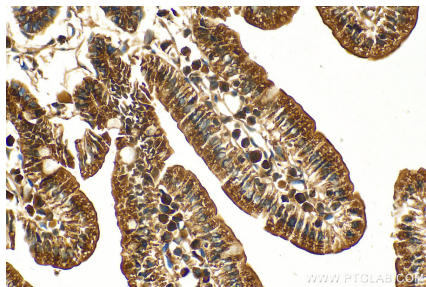
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14949-1-AP (ARIH1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 14949-1-AP (ARIH1 antibody) at dilution of 1:200 (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 14949-1-AP (ARIH1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).