

For Research Use Only

ARIH1 Polyclonal antibody

Catalog Number: 14949-1-AP



Basic Information

Catalog Number: 14949-1-AP	GenBank Accession Number: BC051877	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 25820	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500
Source: Rabbit	Full Name: ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila)	
Isotype: IgG	Calculated MW: 64 kDa	
Immunogen Catalog Number: AG6760	Observed MW: 64 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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, 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).

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

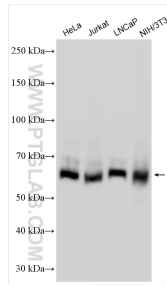
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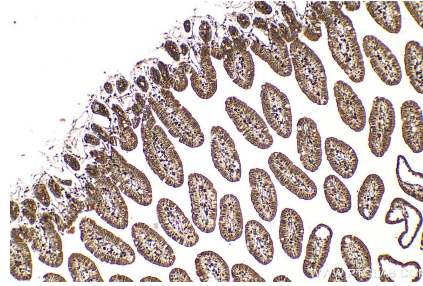
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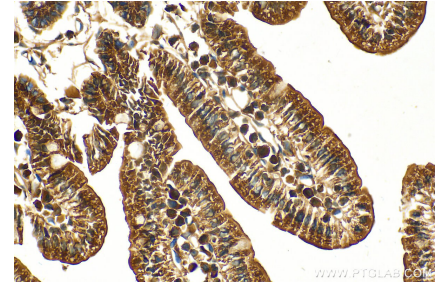
Selected Validation Data



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).