

For Research Use Only

ALADIN Polyclonal antibody

Catalog Number: 15127-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

15127-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 487 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7211

GenBank Accession Number:

BC000659

GeneID (NCBI):

8086

UNIPROT ID:

Q9NRG9

Full Name:

achalasia, adrenocortical insufficiency, alacrimia (Allgrove, triple-A)

Calculated MW:

60 kDa

Observed MW:

56-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, monkey, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, SH-SY5Y cells, NIH/3T3 cells

IHC : human stomach cancer tissue,

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

The AAAS gene product is the 60 kDa nuclear pore complex (NPC) protein alacrima-achalasia-adrenal insufficiency neurological disorder (ALADIN). AAAS mRNA and the ALADIN protein are ubiquitously expressed with predominance in the adrenal and central nervous system structures in human and rat. ALADIN, a Tryptophan-Aspartic acid (WD) repeat containing protein, was the first nuclear pore complex protein to be associated with hereditary neurodegenerative disease and the only nuclear pore complex protein to be associated with hereditary adrenal disease. ALADIN's precise function at the nuclear pore complex is unknown. Most naturally occurring AAAS mutations result in mislocalization of the abnormal ALADIN protein (mainly into the cytoplasm), implying that correct NPC targeting is vital for its function. (PMID: 23825130)

Notable Publications

Author	Pubmed ID	Journal	Application
Sara Carvalhal	26246606	Mol Biol Cell	WB,IF

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

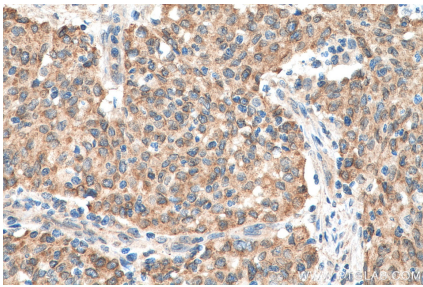
For technical support and original validation data for this product please contact:

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

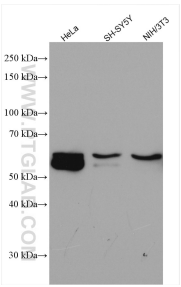
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 15127-1-AP (ALADIN antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 15127-1-AP (ALADIN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.