

# ALADIN Polyclonal ANTIBODY

Catalog Number: 15127-1-AP

1 Publications

## Basic Information

**Catalog Number:**  
15127-1-AP

**Size:**  
73 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG7211

**GenBank Accession Number:**  
BC000659

**GeneID (NCBI):**  
8086

**Full Name:**  
achalasia, adrenocortical insufficiency,  
alacrimia (Allgrove, triple-A)

**Calculated MW:**  
60 kDa

**Observed MW:**  
56-60 kDa

**Recommended Dilutions:**

WB 1:1000-1:6000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

IF, IHC, WB, ELISA

**Cited Applications:**

IF, WB

**Species Specificity:**

human, monkey

**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;

IHC : human stomach cancer tissue;

IF : COS-7 cells; HeLa cells

## 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 Carvalho	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

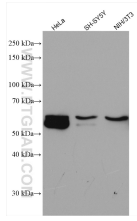
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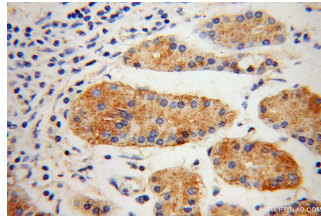
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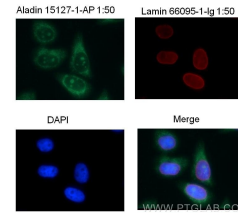
## Selected Validation Data



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



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 15127-1-AP(ALADIN antibody) at dilution of 1:100 (under 40x lens)



Immunofluorescent analysis of COS-7 cells using 15127-1-AP(ALADIN antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG