

For Research Use Only

OAS3 Polyclonal antibody

Catalog Number: 21915-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

21915-1-AP

Concentration:

650 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16150

GenBank Accession Number:

BC113746

GeneID (NCBI):

4940

UNIPROT ID:

Q9Y6K5

Full Name:

2'-5'-oligoadenylate synthetase 3,
100kDa

Calculated MW:

1087 aa, 121 kDa

Observed MW:

100-120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

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 : A375 cells, human placenta tissue, HeLa cells

IHC : human skin cancer tissue, human brain tissue

IF/ICC : A549 cells,

Background Information

The 2-prime,5-prime oligoadenylate synthetases (OASs), such as OAS3, are interferon-induced proteins characterized by their capacity to catalyze the synthesis of 2-prime,5-prime oligomers of adenosine (2-5As). It is also named as p100 OAS and belongs to the 2-5A synthase family. OAS3 is involved in inhibition of cellular protein synthesis and in viral infection resistance. This antibody may have weak cross-reaction with OAS1 protein due to the highly homology.

Notable Publications

Author	Pubmed ID	Journal	Application
Arthur Wickenhagen	34581622	Science	WB
Zhuo Chen	34686338	Cell Rep	WB
Yuanfeng Wei	34765295	Am J Cancer Res	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

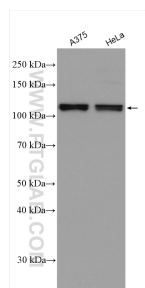
T: 4006900926

E: Proteintech-CN@ptglab.com

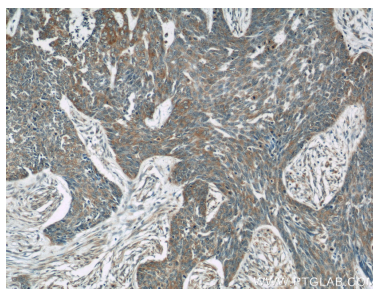
W: ptgcn.com

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

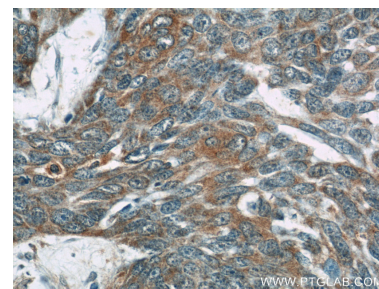
Selected Validation Data



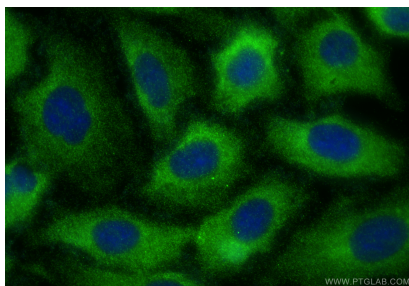
Various lysates were subjected to SDS PAGE followed by western blot with 21915-1-AP (OAS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 21915-1-AP (OAS3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 21915-1-AP (OAS3 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using OAS3 antibody (21915-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).