

For Research Use Only

OAS3 Polyclonal antibody

Catalog Number: 21915-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 21915-1-AP	GenBank Accession Number: BC113746	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4940	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:20-1:200
Source: Rabbit	Full Name: 2'-5'-oligoadenylate synthetase 3, 100kDa	
Isotype: IgG	Calculated MW: 1087 aa, 121 kDa	
Immunogen Catalog Number: AG16150	Observed MW: 100-120 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IHC, WB

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, HeLa cells, human placenta tissue

IHC : human skin cancer tissue, human brain tissue

IF : HeLa 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

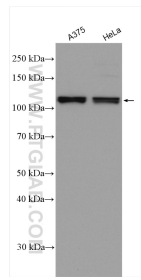
For technical support and original validation data for this product please contact:

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

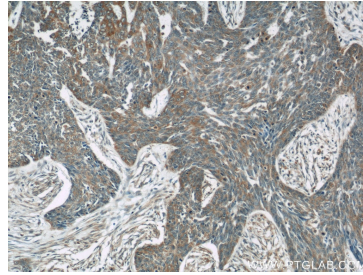
E: proteintech@ptglab.com
W: ptglab.com

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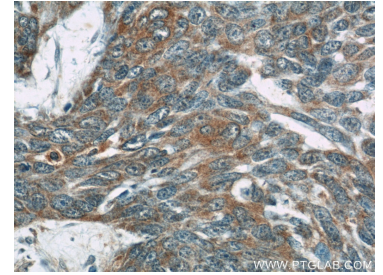
Selected Validation Data



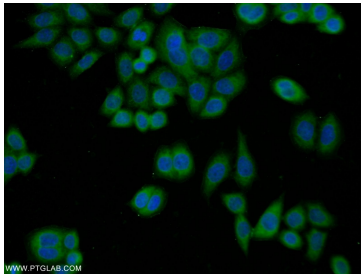
Various lysates were subjected to SDS PAGE followed by western blot with 21915-1-AP (OAS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 HeLa cells using 21915-1-AP (OAS3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).