

For Research Use Only

OAS3 Polyclonal antibody

Catalog Number: 21915-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number: 21915-1-AP	GenBank Accession Number: BC113746	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop and 393 ug/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/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9Y6K5	
Isotype: IgG	Full Name: 2'-5'-oligoadenylate synthetase 3, 100kDa	
Immunogen Catalog Number: AG16150	Calculated MW: 1087 aa, 121 kDa	
	Observed MW: 100-120 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : A375 cells, human placenta tissue, HeLa cells IHC : human skin cancer tissue, human brain tissue IF/ICC : A549 cells,
Cited Applications: WB, IHC	
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

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

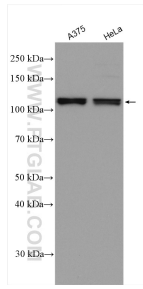
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

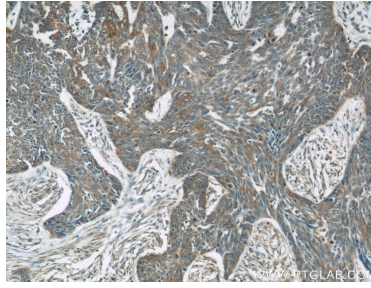
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

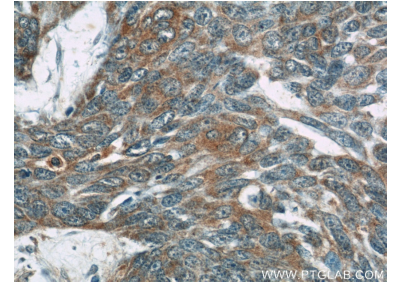
Selected Validation Data



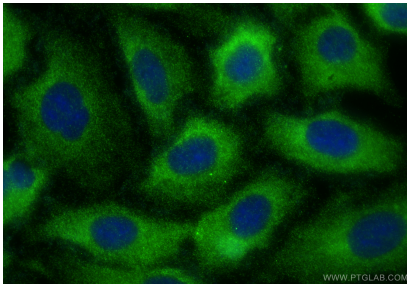
Various lysates were subjected to SDS PAGE followed by western blot with 21915-1-AP (OAS3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).