

For Research Use Only

# OAS1 Polyclonal antibody

Catalog Number: 14955-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 14955-1-AP	<b>GenBank Accession Number:</b> BC000562	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 160 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4938	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:100-1:400 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> 2',5'-oligoadenylate synthetase 1, 40/46kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 46 kDa	
<b>Immunogen Catalog Number:</b> AG6793	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB: HeLa cells, mouse brain tissue
<b>Cited Applications:</b> WB	IHC: human liver tissue,
<b>Species Specificity:</b> human, mouse, rat	IF: HeLa cells,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

The 2-prime,5-prime oligoadenylate synthetases (OASs), such as OAS1, are interferon-induced proteins characterized by their capacity to catalyze the synthesis of 2-prime,5-prime oligomers of adenosine (2-5As). OAS1 (type I enzymes) have molecular weights of 42, 44, 46, and 48 kDa, form tetramers, and contain a single consensus sequence(PMID:12590567). OAS1 is a strong candidate for determining susceptibility or resistance to viral infections(PMID:15732009). This antibody may have weak cross-reaction with OAS3 protein due to the highly homology.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huanru Wang	31575039	Int J Mol Sci	WB
Joshua D Jackson	26883073	Mol Cancer Res	WB
Yajuan Fu	32283527	iScience	WB

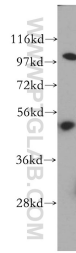
## Storage

**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

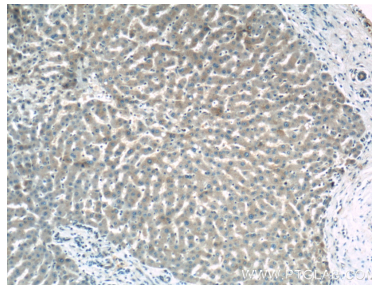
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

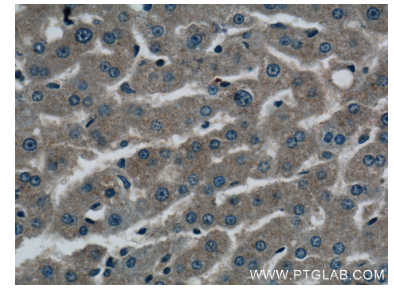
## Selected Validation Data



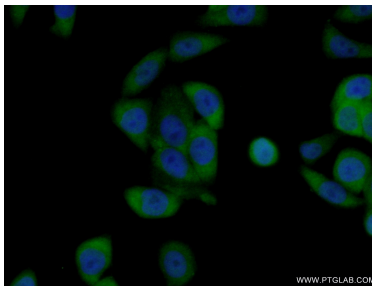
HeLa cells were subjected to SDS PAGE followed by western blot with 14955-1-AP (OAS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14955-1-AP (OAS1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14955-1-AP (OAS1 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14955-1-AP (OAS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).