

# OAS1/3 Polyclonal antibody

Catalog Number: 14955-1-AP

Featured Product

24 Publications

## Basic Information

## Catalog Number:

14955-1-AP

## Size:

500 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG6793

## GenBank Accession Number:

BC000562

## GeneID (NCBI):

4938

## UNIPROT ID:

P00973

## Full Name:

2',5'-oligoadenylate synthetase 1,  
40/46kDa

## Calculated MW:

46 kDa

## Observed MW:

~40 kDa, 100-120 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:400

IF 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## Cited Applications:

CoIP, IF, IHC, WB

## Species Specificity:

human, mouse

## Cited Species:

human, rat, mouse, pig

**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: IFN alpha treated HeLa cells, mouse brain tissue

IHC: human liver tissue,

IF: HeLa cells,

## 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) has some isoforms with the MW of 40, 42, 44, 46, and 48 kDa (PMID:12590567, 19383565). OAS1 is a strong candidate for determining susceptibility or resistance to viral infections (PMID:15732009). This antibody may have cross-reaction with OAS3 protein due to the high homology.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huanru Wang	31575039	Int J Mol Sci	WB
Arthur Wickenhagen	34581622	Science	WB
Li Che	34731560	Acta Biochim Pol	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

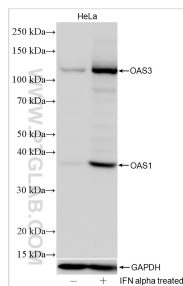
For technical support and original validation data for this product please contact:

T: 4006900926

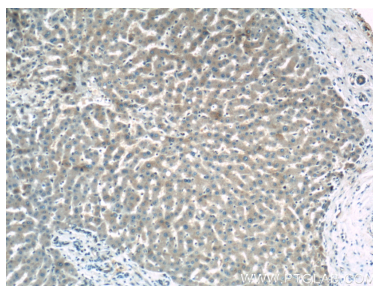
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

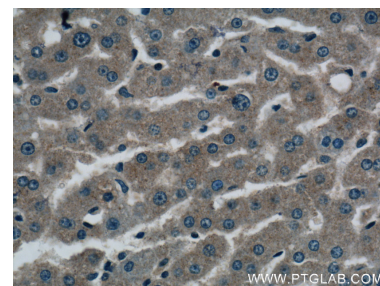
## Selected Validation Data



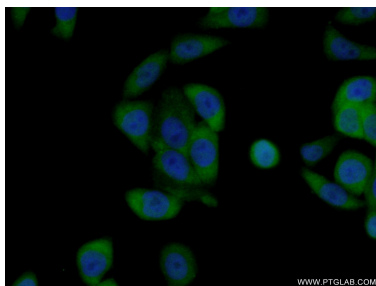
Untreated and IFN alpha treated HeLa cells were subjected to SDS PAGE followed by western blot with 14955-1-AP (OAS1/3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14955-1-AP (OAS1/3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14955-1-AP (OAS1/3 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 14955-1-AP (OAS1/3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).