

For Research Use Only

# OAS1 Recombinant antibody

Catalog Number: 82883-1-RR



## Basic Information

<b>Catalog Number:</b> 82883-1-RR	<b>GenBank Accession Number:</b> BC000562	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 800 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4938	<b>CloneNo.:</b> 2H4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00973	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> 2',5'-oligoadenylate synthetase 1, 40/46kDa	
<b>Immunogen Catalog Number:</b> AG6793	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 38 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

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 : HeLa cells, A549 cells

IHC : mouse liver tissue, mouse spleen tissue

## 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).

## 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

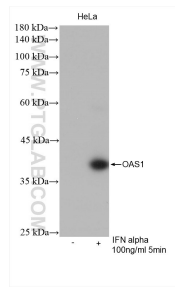
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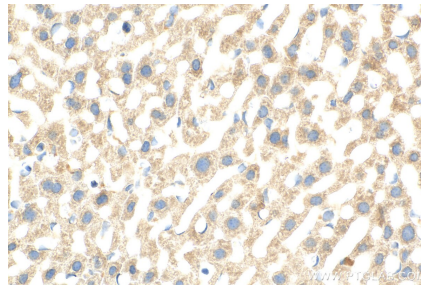
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82883-1-RR (OAS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 82883-1-RR (OAS1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).