

For Research Use Only

OAS1 Recombinant antibody

Catalog Number: 82883-1-RR

1 Publications



Basic Information

Catalog Number:

82883-1-RR

Size:

800 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:

38 kDa

Purification Method:

Protein A purification

CloneNo.:

2H4

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, FC (Intra), 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Kun Yang	39112803	EMBO J	

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:

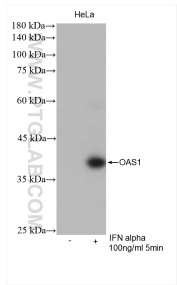
T: 4006900926

E: Proteintech-CN@ptglab.com

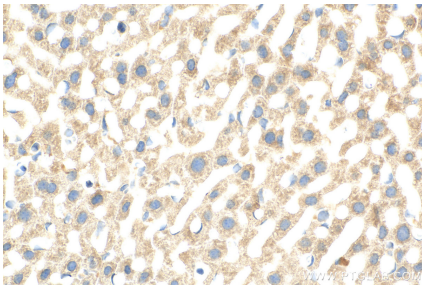
W: ptgcn.com

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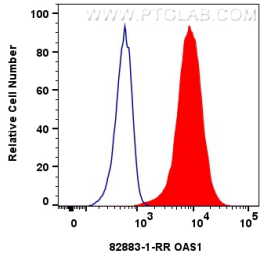
Selected Validation Data



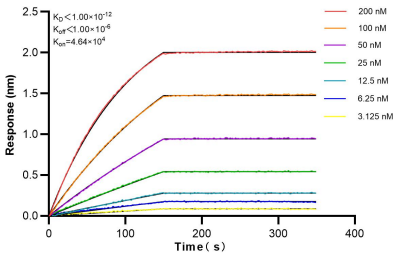
Various lysates were subjected to SDS PAGE followed by western blot with 82883-1-RR (OAS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug OAS1 Recombinant antibody (82883-1-RR, Clone:2H4) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82883-1-RR against Human OAS1 were performed. The affinity constant is below 1 pM.