

For Research Use Only

OAS1 Recombinant antibody, PBS Only



Catalog Number: 82883-1-PBS

Basic Information

Catalog Number: 82883-1-PBS	GenBank Accession Number: BC000562	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 4938	CloneNo.: 2H4
Source: Rabbit	UNIPROT ID: P00973	
Isotype: IgG	Full Name: 2',5'-oligoadenylate synthetase 1, 40/46kDa	
Immunogen Catalog Number: AG6793	Calculated MW: 46 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
Human, Mouse

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 -80°C.

Storage Buffer:
PBS Only

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

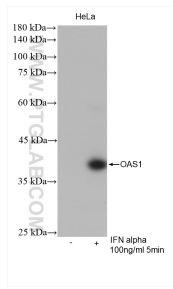
T: 4006900926

E: Proteintech-CN@ptglab.com

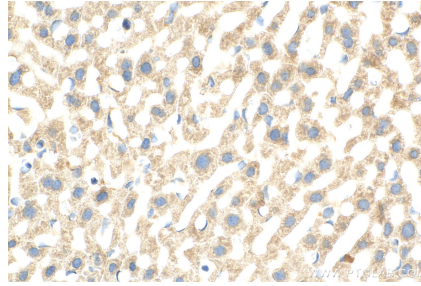
W: ptgcn.com

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

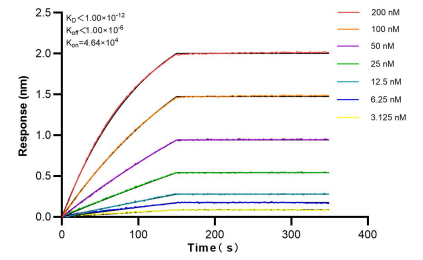
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82883-1-RR (OAS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82883-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82883-1-PBS in a different storage buffer formulation.



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