

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: 100ug, Concentration: 1mg/ml by Nanodrop;	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:
Indirect ELISA, IHC, WB

Species Specificity:
mouse, human

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

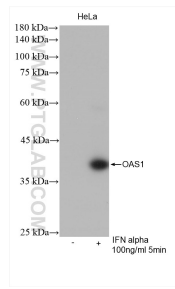
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

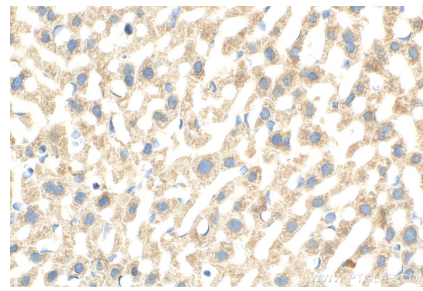
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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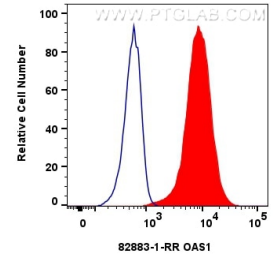
Selected Validation Data



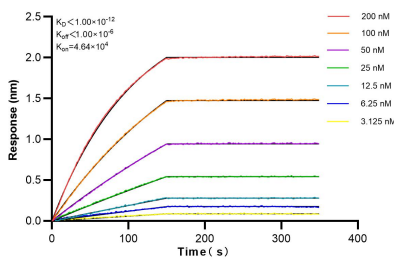
Various lysates were subjected to SDS PAGE followed by western blot with 82883-1-RR (OAS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82883-1-PBS in a different storage buffer formulation.



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.



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g OAS1 Recombinant antibody (82883-1-RR, Clone:2H4) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82883-1-PBS in a different storage buffer formulation.



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