

For Research Use Only

OAS1 Recombinant antibody

Catalog Number: 82883-1-RR



Basic Information

Catalog Number: 82883-1-RR	GenBank Accession Number: BC000562	Purification Method: Protein A purification
Size: 800 µg/ml	GeneID (NCBI): 4938	CloneNo.: 2H4
Source: Rabbit	UNIPROT ID: P00973	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:200-1:800
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: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, Mouse	WB: HeLa cells, A549 cells
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	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

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

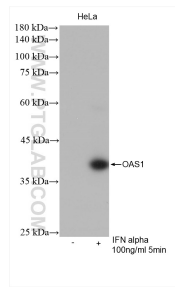
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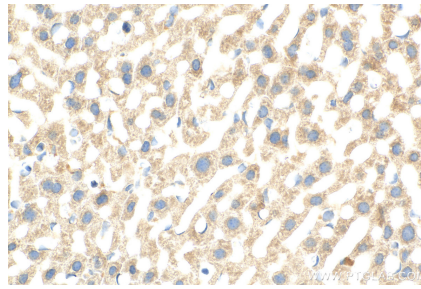
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Selected Validation Data



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).