

For Research Use Only

OAS2 Polyclonal antibody

Catalog Number: 14214-1-AP



Basic Information

Catalog Number: 14214-1-AP	GenBank Accession Number: BC049215	Purification Method: Antigen affinity purification
Size: 133 µg/ml	GeneID (NCBI): 4939	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: P29728	
Isotype: IgG	Full Name: 2'-5'-oligoadenylate synthetase 2, 69/71kDa	
Immunogen Catalog Number: AG5436	Calculated MW: 82 kDa	
	Observed MW: 66-71 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells,
Species Specificity: human	

Background Information

The 2-prime,5-prime oligoadenylate synthetases (OASs), such as OAS2, are interferon-induced proteins characterized by their capacity to catalyze the synthesis of 2-prime,5-prime oligomers of adenosine (2-5As). OAS2 is also named as p69 OAS/p71 OAS. It has 3 isoforms(71/69/20 kDa) produced by alternative splicing. The OAS2 isozymes are 69-71 kDa and form dimers(PMID:17765707). Glycosylation is essential for its activity(PMID:9880569). Constitutive expression of the 69-kDa form of the OAS2 protein in human cells inhibited the replication of encephalomyocarditis virus (EMCV) but not that of VSV, Sendai virus, or reovirus(PMID:16501108). This antibody recognizes isoform p71 and isoform p69 of OAS2.

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:

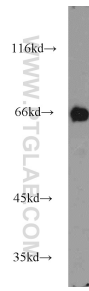
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 14214-1-AP (OAS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.