

For Research Use Only

# OAS2 Polyclonal antibody

Catalog Number: 14214-1-AP



## Basic Information

<b>Catalog Number:</b> 14214-1-AP	<b>GenBank Accession Number:</b> BC049215	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4939	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> 2'-5'-oligoadenylate synthetase 2, 69/71kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 82 kDa	
<b>Immunogen Catalog Number:</b> AG5436	<b>Observed MW:</b> 66-71 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : Jurkat cells,
<b>Species Specificity:</b> 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.

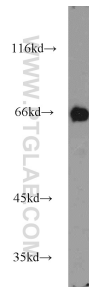
## Storage

**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:  
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

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

## 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.