

OAS2 Polyclonal antibody

Catalog Number: 14214-1-AP

Basic Information

Catalog Number:

14214-1-AP

Size:

150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5436

GenBank Accession Number:

BC049215

GeneID (NCBI):

4939

UNIPROT ID:

P29728

Full Name:

2'-5'-oligoadenylate synthetase 2, 69/71kDa

Calculated MW:

82 kDa

Observed MW:

66-71 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells,

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

***** 20ul sizes contain 0.1% BSA**

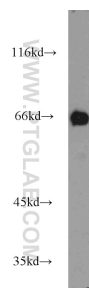
For technical support and original validation data for this product please contact:

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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.