

For Research Use Only

Phospho-IRF3 (Ser396) Polyclonal antibody

Catalog Number: 29528-1-AP

14 Publications



Basic Information

Catalog Number:

29528-1-AP

Size:

100ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC009395

GeneID (NCBI):

3661

UNIPROT ID:

Q14653

Full Name:

interferon regulatory factor 3

Calculated MW:

47 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse, rat, pig, monkey

Positive Controls:

WB : LPS treated THP-1 cells,

Background Information

Interferons (IFNs) are a large family of multifunctional secreted proteins involved in antiviral defense, cell growth regulation, and immune activation (PMID: 18440553). A family of IFN regulatory factors (IRFs) have been shown to have a role in the transcription of IFN genes as well as IFN-stimulated genes. IRF3 is a novel key transcriptional regulator of type I IFN-dependent immune responses and involves in the innate immune response against DNA and RNA viruses, by binding to the promoters of IFN. IRF-3 is activated through phosphorylation by the kinases IKKε and/or TBK1. Phosphorylation at Ser396 is essential for IRF-3 activation. After cytoplasmic IRF-3 is phosphorylated at Ser386 and Ser396, phosphorylated IRF-3 translocates into the nucleus. This phosphorylated IRF-3 activates IFN and IFN-responsive genes.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenjie Fan	39631580	Int J Biol Macromol	WB
Yuanyuan Li	39434428	FEBS J	WB
Zan Luo	39103908	Exp Hematol Oncol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

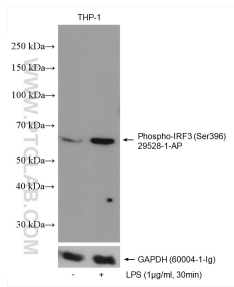
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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Selected Validation Data



Untreated and LPS treated THP-1 cells were subjected to SDS PAGE followed by western blot with 29528-1-AP (Phospho-IRF3 (Ser396) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as loading control.