For Research Use Only

Phospho-IRF3 (Ser396) Polyclonal antibody

Catalog Number:29528-1-AP

79 Publications

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Basic Information

Catalog Number:
29528-1-AP

Size:
100ul , Concentration: 470 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:
45-55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat, pig, monkey

Positive Controls:

WB : LPS treated THP-1 cells, LPS treated RAW 264.7 cells, 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 has 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
Yuan Tu	42898530	Front Immunol	
Xiao-Xuan Wang	42827098	Oncogene	
Aqian Chang	41966552	Biomaterials	WB

Storage

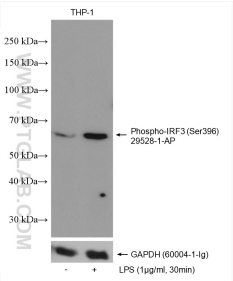
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

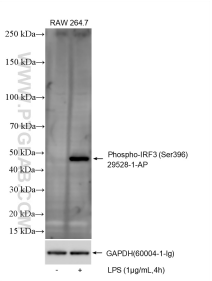
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



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.



Non-treated and LPS treated RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 29528-1-AP (Phospho-IRF3 (Ser396) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as loading control.