

For Research Use Only

# Phospho-IRF3 (Ser396) Polyclonal antibody



Catalog Number: 29528-1-AP

5 Publications

## Basic Information

<b>Catalog Number:</b> 29528-1-AP	<b>GenBank Accession Number:</b> BC009395	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 3661	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14653	
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon regulatory factor 3	
	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 50-60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : LPS treated THP-1 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human, mouse, monkey, pig	

## 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 IKK 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
Zhiqiang Xu	38203523	Int J Mol Sci	WB
Wen Zhu	38114798	Inflammopharmacology	WB
Jiaying Yu	38005850	Viruses	WB

## 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:

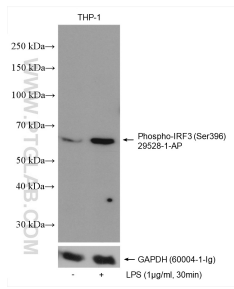
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## Selected Validation Data



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.