

For Research Use Only

Phospho-IRF3 (Ser396) Polyclonal antibody



Catalog Number: 29528-1-AP

5 Publications

Basic Information

Catalog Number: 29528-1-AP	GenBank Accession Number: BC009395	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 300 µg/ml by Nanodrop;	GeneID (NCBI): 3661	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: interferon regulatory factor 3	
Isotype: IgG	Calculated MW: 47 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : LPS treated THP-1 cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: 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 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
Zhiqiang Xu	38203523	Int J Mol Sci	WB
Wen Zhu	38114798	Inflammopharmacology	WB
Jiaying Yu	38005850	Viruses	WB

Storage

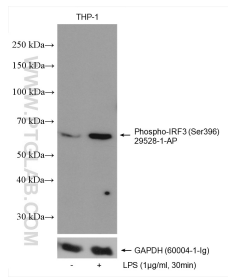
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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.