

For Research Use Only

Phospho-IRF3 (Ser396) Recombinant antibody

Catalog Number: 80519-2-RR



Basic Information

Catalog Number: 80519-2-RR	GenBank Accession Number: BC009395	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3661	CloneNo.: 241522A6
Source: Rabbit	UNIPROT ID: Q14653	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: interferon regulatory factor 3	
	Calculated MW: 47 kDa	
	Observed MW: 55-65 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : λ phosphatase treated THP-1 cells,
Species Specificity: human	

Background Information

The virul-induced expression of interferon(IFN) genes in infected cells implicate in the interplay of several constitutively expressed and virus-activated transcription factors. 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. It located in the cytoplasm of uninfected cells in an inactive form, and following viral infection, double-stranded RNA (dsRNA), or toll-like receptor (TLR) signaling, could be phosphorylated by IKBKE and TBK1 kinases. This induces a conformational change, leading to its dimerization, nuclear localization and association with CREB binding protein (CREBBP) to form dsRNA-activated factor 1 (DRAF1), a complex which activates the transcription of the type I IFN and ISG genes.

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**

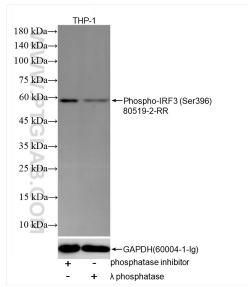
For technical support and original validation data for this product please contact:

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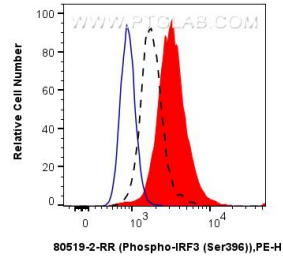
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Selected Validation Data



Phosphatase inhibitor treated or λ phosphatase treated THP-1 cells were subjected to SDS PAGE followed by western blot with 80519-2-RR (Phospho-IRF3 (Ser396) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.



1×10^6 Calyculin A treated HEK-293T cells were intracellularly stained with 0.25 μ g Phospho-IRF3 (Ser396) Recombinant antibody (80519-2-RR, Clone:241522A6) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone:240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.