

For Research Use Only

Phospho-IRF3 (Ser396) Recombinant antibody, PBS Only

Catalog Number: 80519-2-PBS



Basic Information

Catalog Number: 80519-2-PBS	GenBank Accession Number: BC009395	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3661	CloneNo.: 241522A6
Source: Rabbit	UNIPROT ID: Q14653	
Isotype: IgG	Full Name: interferon regulatory factor 3	
	Calculated MW: 47 kDa	
	Observed MW: 55-65 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

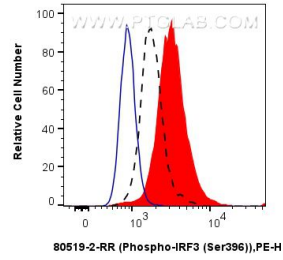
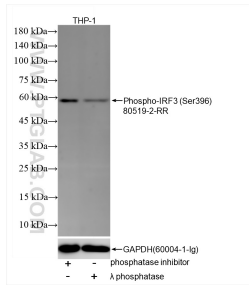
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Selected Validation Data



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. This data was developed using the same antibody clone with 80519-2-PBS in a different storage buffer formulation.

1×10^6 Calyculin A treated HEK-293T cells were intracellularly stained with 0.25 ug Phospho-IRF3 (Ser396) Recombinant antibody (80519-2-RR, Clone:241522A6) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed using the same antibody clone with 80519-2-PBS in a different storage