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Anti-ISGF3 / IRF9 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18321

Product Information

Application	WB, IHC-P, IF, IP
Primary Accession	Q00978
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	43696

Additional Information

Gene ID	10379
Alias Symbol	IRF9
Other Names	IRF9, Interferon regulatory factor 9, ISGF3 p48 subunit, ISGF3G, p48, IRF-9, ISGF3, ISGF-3 gamma
Target/Specificity	Human ISGF3 / IRF9
Reconstitution & Storage	Affinity purified
Precautions	Anti-ISGF3 / IRF9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IRF9
Synonyms	ISGF3G
Function	Transcription factor that plays an essential role in anti- viral immunity. It mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. IRF9/ISGF3G associates with the phosphorylated STAT1:STAT2 dimer to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.
Cellular Location	Cytoplasm. Nucleus Note=Translocated into the nucleus upon activation by IFN-alpha/beta

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.