

**IRF-9 Antibody**  
Rabbit mAb  
Catalog # AP92138

## Specification

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### IRF-9 Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	<a href="#">Q00978</a>
Clonality	Monoclonal
<b>Other Names</b>	
Irf9; ISGF3; ISGF3G; p48;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43696 Da

### IRF-9 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human IRF-9</b>
Description	<b>Transcription regulatory factor that 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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### IRF-9 Antibody - 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.

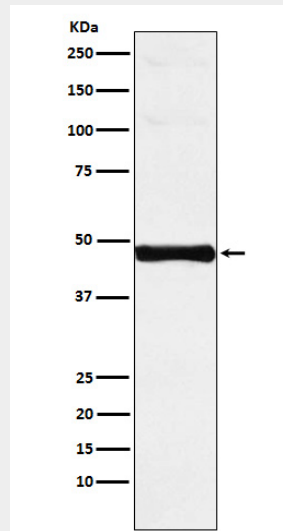
**Cellular Location**

Cytoplasm. Nucleus Note=Translocated into the nucleus upon activation by IFN-alpha/beta

**IRF-9 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IRF-9 Antibody - Images**

Western blot analysis of Interferon regulatory factor 9 expression in Jurkat cell lysate.