



Rabbit Anti-IRF9/ISGF3 antibody

SL18169R

Product Name:	IRF9/ISGF3
Chinese Name:	Interferon调节因子9抗体
Alias:	IFN alpha responsive transcription factor subunit; IFN-alpha-responsive transcription factor subunit; Interferon regulatory factor 9; interferon stimulated transcription factor 3; Interferon-stimulated gene factor 3 gamma; interferon-stimulated transcription factor 3, gamma 48kDa; IRF 9; IRF-9; Irf9; IRF9_HUMAN; ISGF 3 gamma; ISGF-3 gamma; ISGF3; ISGF3 p48 subunit; ISGF3G; OTTHUMP00000164692; OTTHUMP00000164693; p48; Transcriptional regulator ISGF3 subunit gamma.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IRF9/ISGF3:101-200/393
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G 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.

Subcellular Location:

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

Similarity:

Belongs to the IRF family.

Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

SWISS:

Q00978

Gene ID:

10379

Database links:

[Entrez Gene: 10379](#) Human

[Entrez Gene: 16391](#) Mouse

[Entrez Gene: 305896](#) Rat

[Omim: 147574](#) Human

[SwissProt: Q00978](#) Human

[SwissProt: Q61179](#) Mouse

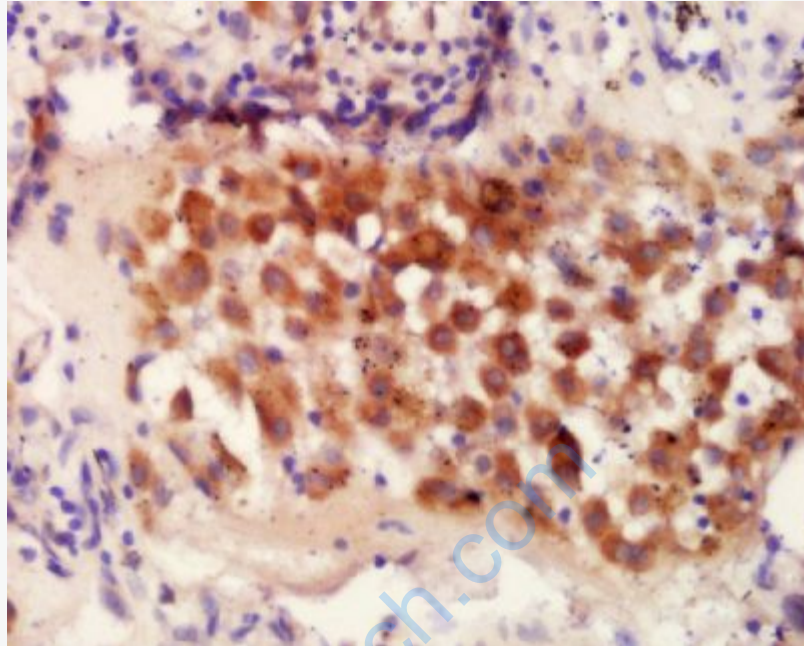
[Unigene: 1706](#) Human

[Unigene: 2032](#) Mouse

[Unigene: 163277](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IRF9 Polyclonal Antibody, Unconjugated(SL18169R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining