

IRF9 Polyclonal Antibody

Catalog number: 14167-1-AP

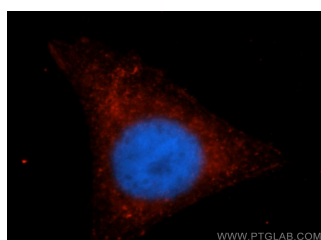
Size: 59 µg/150 µl

Source: Rabbit

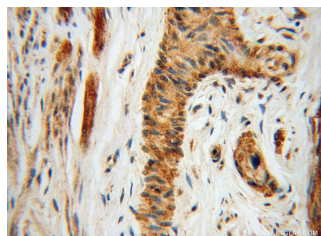
Isotype: IgG

Synonyms:

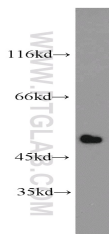
IRF9; interferon regulatory factor 9, IRF 9, IRF9, ISGF 3 gamma, ISGF3, ISGF3 p48 subunit, ISGF3G, p48



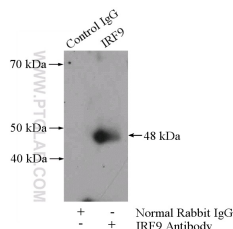
Immunofluorescent analysis of HepG2 cells, using IRF9 antibody 14167-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human cervical cancer using 14167-1-AP (IRF9 antibody) at dilution of 1:50 (under 40x lens)



mouse heart tissue were subjected to SDS PAGE followed by western blot with 14167-1-AP (IRF9 antibody) at dilution of 1:500



Background

Interferon regulatory factor 9 (IRF9) also named Interferon-stimulated gene factor 3 gamma (ISGF3) is a 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.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated IRF9 MW:	393aa, 44 kDa
Observed IRF9 MW:	48kd
Positive WB detected in	Mouse heart tissue, rat heart tissue
Positive IP detected in	Mouse heart tissue
Positive IHC detected in	Human cervical cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5365
GenBank accession number:	BC035716
Gene ID (NCBI):	10379
Full name:	Interferon regulatory factor 9

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

IP Result of anti-IRF9

(IP:14167-1-AP, 4ug;

Detection:14167-1-AP 1:500)

with mouse heart tissue lysate

3200ug.