

## IRF5 Polyclonal Antibody

Catalog number: 10547-1-AP

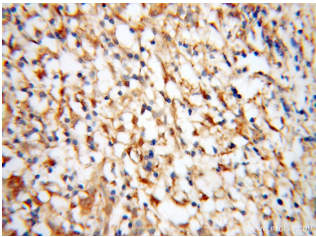
Size: 26 µg/150 µl

Source: Rabbit

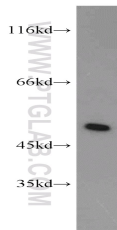
Isotype: IgG

Synonyms:

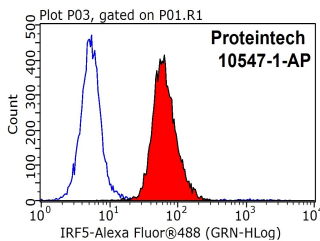
IRF5; interferon regulatory factor 5, IRF 5, IRF5, SLEB10



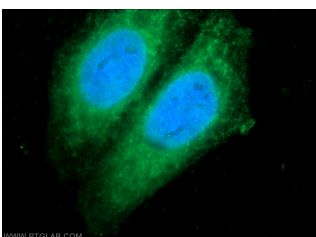
Immunohistochemical of paraffin-embedded human breast cancer using 10547-1-AP (IRF5 antibody) at dilution of 1:50 (under 40x lens)



Jurkat cells were subjected to SDS PAGE followed by western blot with 10547-1-AP (IRF5 antibody) at dilution of 1:800



1X10<sup>6</sup> HepG2 cells were stained with 0.2µg IRF5 antibody (10547-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



### Background

IRF5, also named as SLEB10, contains one IRF tryptophan pentad repeat DNA-binding domain and belongs to the IRF family. It is a transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. It is activated by TLR7 or TLR8 signaling. Genetic variations in IRF5 are associated with susceptibility to inflammatory bowel disease type 14 (IBD14) and systemic lupus erythematosus type 10 (SLEB10). IRF5 is also used as M1 macrophage lineage marker. Alternative splice variant encoding different isoforms exist. Catalog#10547-1-AP is a rabbit polyclonal antibody raised against the C-terminal of human IRF5.

### Applications

Tested applications:	ELISA, WB, IHC, IF, FC, IP
Cited applications:	IHC, IP, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated IRF5 MW:	56 kDa
Observed IRF5 MW:	47-50 kDa
Positive WB detected in	Jurkat cells, A549 cells, HeLa cells, human heart tissue, NIH/3T3 cells, SH-SY5Y cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	HepG2 cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200 IF: 1:10-1:100 FC: N/A

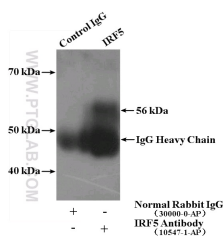
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0841
GenBank accession number:	BC004201
Gene ID (NCBI):	3663
Full name:	Interferon regulatory factor 5

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunofluorescent analysis of HepG2 cells using 10547-1-AP( IRF5 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

IP Result of anti-IRF5 (IP:10547-1-AP, 4ug; Detection:10547-1-AP 1:300) with HeLa cells lysate 1600ug.