

For Research Use Only

IRF5 Polyclonal antibody

Catalog Number: 10547-1-AP **29 Publications**



Basic Information

Catalog Number: 10547-1-AP	GenBank Accession Number: BC004201	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3663	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: interferon regulatory factor 5	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG0841	Observed MW: 56 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : THP-1 cells, HeLa cells, NIH/3T3 cells, A549 cells, SH-SY5Y cells, Jurkat cells, human heart tissue
Cited Applications: IF, IHC, IP, WB	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human prostate cancer tissue, human breast cancer tissue
Cited Species: brovine, human, mouse, rat, sheep	IF : HepG2 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

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). Alternative splice variant encoding different isoforms exist. Catalog# 10547-1-AP is a rabbit polyclonal antibody raised against the C-terminal of human IRF5.

Notable Publications

Author	Pubmed ID	Journal	Application
Stephanie Georgina Dakin	29118051	Br J Sports Med	IF
Hong Lu	31177020	Phytomedicine	WB,IF
Hong Lu	29753749	Biochem Pharmacol	WB,IF

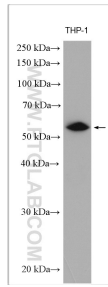
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

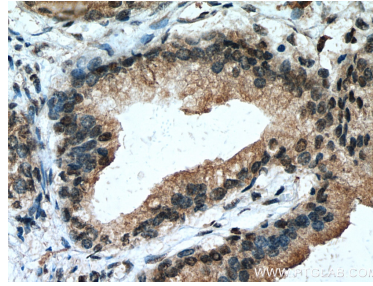
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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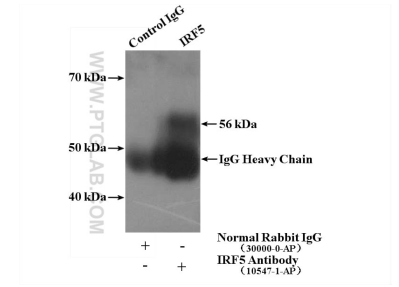
Selected Validation Data



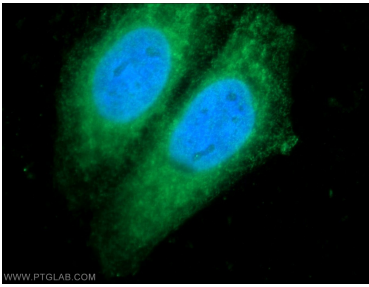
Various lysates were subjected to SDS PAGE followed by western blot with 10547-1-AP (IRF5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



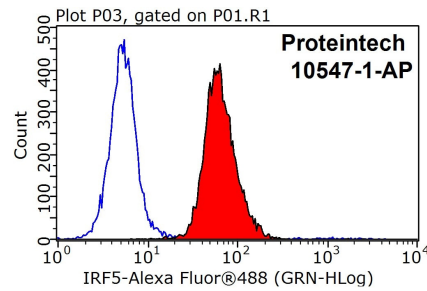
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 10547-1-AP (IRF5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



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).



1x10⁶ HepG2 cells were stained with 0.2ug 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.