

For Research Use Only

IRF5 Polyclonal antibody

Catalog Number: 10547-1-AP

39 Publications



Basic Information

Catalog Number:

10547-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0841

GenBank Accession Number:

BC004201

GeneID (NCBI):

3663

UNIPROT ID:

Q13568

Full Name:

interferon regulatory factor 5

Calculated MW:

56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, sheep, brovine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : THP-1 cells, SH-SY5Y cells, Jurkat cells

IP : HeLa cells,

IHC : human prostate cancer tissue, human breast cancer tissue

IF/ICC : HepG2 cells,

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 IFNB 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
Deborah Cohen	36331667	Neurochem Res	WB
Hong Lu	31177020	Phytomedicine	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

*** 20ul sizes contain 0.1% BSA

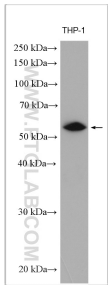
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

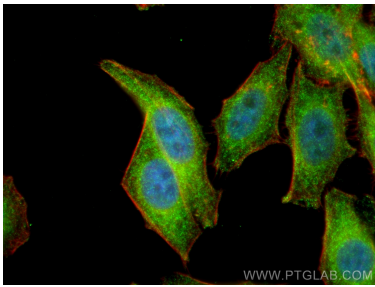
E: proteintech@ptglab.com
W: ptglab.com

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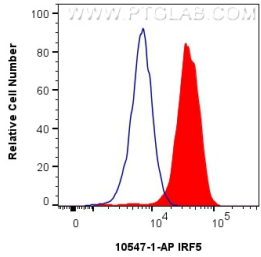
Selected Validation Data



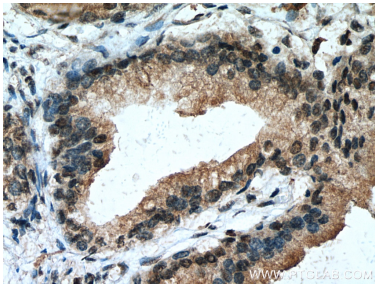
THP-1 cells were subjected to SDS PAGE followed by western blot with 10547-1-AP (IRF5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



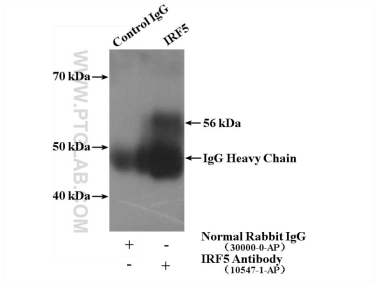
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using IRF5 antibody (10547-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1x10⁶ THP-1 cells were intracellularly stained with 0.25 ug IRF5 Polyclonal antibody (10547-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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.