

For Research Use Only

# IRF2 Polyclonal antibody

Catalog Number: 12525-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

12525-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3220

**GenBank Accession Number:**

BC015803

**GeneID (NCBI):**

3660

**UNIPROT ID:**

P14316

**Full Name:**

IRF 2

**Calculated MW:**

349 aa, 39 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

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

IHC 1:20-1:200

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

chicken, human, mouse

**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:** HeLa cells, COLO 320 cells, Jurkat cells, mouse colon tissue

**IP:** Jurkat cells,

**IHC:** human colon cancer tissue,

**IF:** Jurkat cells,

## Background Information

IRF2, also known as IFN regulatory factor 2, which belongs to the IRF family. IRF2 specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the IFN consensus sequence (ICS)) and represses those genes. IRF2 also acts as an activator for several genes including H4 and IL7. IRF2 constitutively binds to the ISRE promoter to activate IL7. IRF2 is involved in cell cycle regulation through binding the site II (HiNF-M) promoter region of H4 and activating transcription during cell growth. The calculated molecular weight of IRF2 is 39 kDa, but post-modification of IRF2 is about 50 kDa (PMID: 17698501).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shiao Tong	36156371	Transl Oncol	WB
Xiangzhi Li	31138473	J Dermatol Sci	WB,IHC
Hongyan Sun	35806321	Int J Mol Sci	WB

## 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:

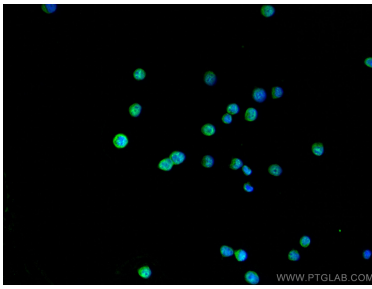
T: 4006900926

E: Proteintech-CN@ptglab.com

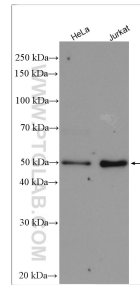
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

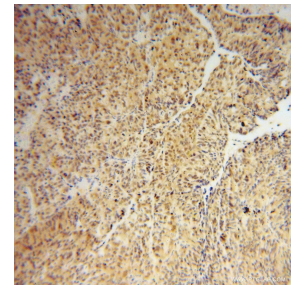
## Selected Validation Data



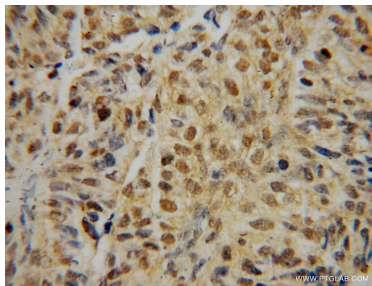
Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using IRF2 antibody (12525-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



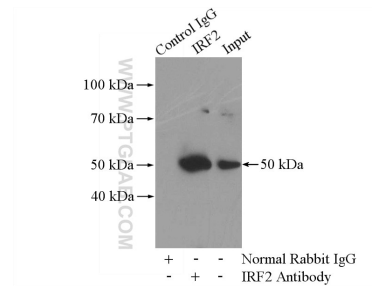
Various lysates were subjected to SDS PAGE followed by western blot with 12525-1-AP (IRF2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12525-1-AP (IRF2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12525-1-AP (IRF2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-IRF2 (IP:12525-1-AP, 4ug; Detection:12525-1-AP 1:500) with Jurkat cells lysate 2800ug.