

For Research Use Only

IRF2 Polyclonal antibody

Catalog Number:12525-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

12525-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 220 ug/ml by Bradford method using BSA as the standard;

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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, CHIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, chicken

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/ICC : 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

*** 20ul sizes contain 0.1% BSA

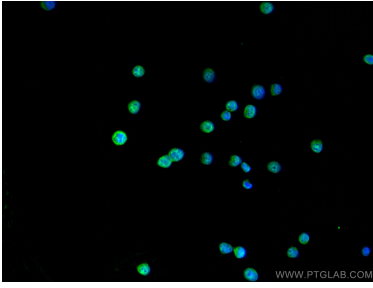
For technical support and original validation data for this product please contact:

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

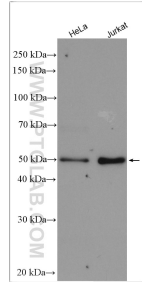
E: proteintech@ptglab.com
W: ptglab.com

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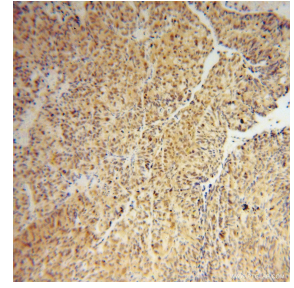
Selected Validation Data



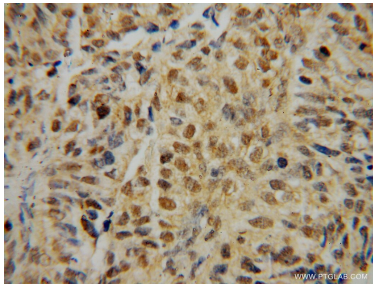
Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using IRF2 antibody (12525-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



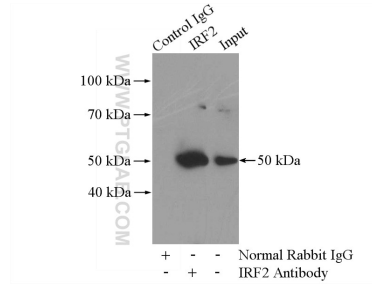
Various lysates were subjected to SDS PAGE followed by western blot with 12525-1-AP (IRF2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.