

For Research Use Only

MUM1/IRF4 Polyclonal antibody



Catalog Number: 11247-2-AP

3 Publications

Basic Information

Catalog Number:

11247-2-AP

Size:

150UL, Concentration: 1000 µg/ml by 3662 Nanodrop and 440 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1762

GenBank Accession Number:

BC015752

GeneID (NCBI):

3662

Full Name:

IRF 4

Calculated MW:

52 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

FC, IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse

Cited Species:

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: mouse spleen tissue, Jurkat cells, mouse lung tissue, mouse thymus tissue, Raji cells

IP: mouse spleen tissue,

IHC: human thymus tissue, human lymphoma tissue, human tonsillitis tissue

Background Information

IRF4 is a member of the IRF family of transcription factors, expressed in most cell types of the immune system. IRF4 is a transcription factor essential for the development of T helper-2 (Th2) cells, IL17-producing Th17 cells, and IL9-producing Th9 cells, as well as dendritic cell (DC). It binds to and activates the ISRE of the MHC class I promoter, and may have a role in ISRE-targeted signal transduction mechanisms specific to lymphoid cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Aijun Jia	28808358	Mediators Inflamm	WB, IHC
Jie Dong	29338488	Nanotoxicology	WB
Xiaopeng Zhu	33042761	Adv Sci (Weinh)	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

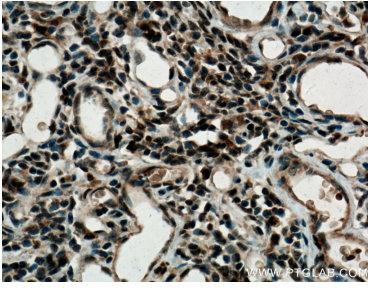
For technical support and original validation data for this product please contact:

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

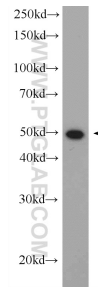
E: proteintech@ptglab.com
W: ptglab.com

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

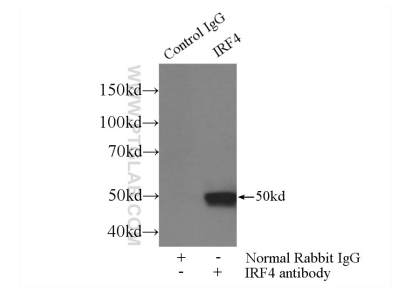
Selected Validation Data



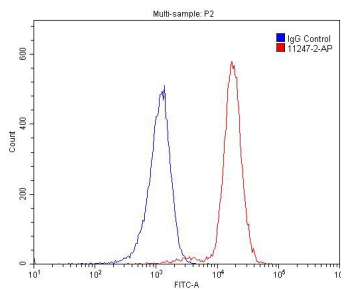
Immunohistochemical analysis of paraffin-embedded human thymus tissue slide using 11247-2-AP (MUM1/IRF4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 11247-2-AP (MUM1/IRF4 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-MUM1/IRF4 (IP:11247-2-AP, 3ug; Detection:11247-2-AP 1:500) with mouse spleen tissue lysate 4000ug.



1X10⁶ Raji cells were stained with 0.2ug MUM1/IRF4 antibody (11247-2-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.