For Research Use Only

MUM1/IRF4 Polyclonal antibody

Catalog Number:11247-2-AP Featured Product 16 Publications

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Basic Information

Catalog Number:
11247-2-AP

Size:
150ul , Concentration: 1000 µg/ml by 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

ENSEMBL Gene ID:
ENSG00000137265

UNIPROT ID:
Q15306

Full Name:
IRF 4

Calculated MW:
52 kDa

Observed MW:
52 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:5000-1:50000
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

Species Specificity:
human, mouse, rat

Cited Species:
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 : mouse spleen tissue, mouse lung tissue, mouse thymus tissue, Raji cells, RAW264.7, rat spleen tissue

IP : mouse spleen tissue,

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

IF/ICC : RAW 264.7 cells,

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
Meixin Chen	34555644	Int Immunopharmacol	IHC
Jianfeng Wu	36443297	Nat Commun	WB
Wupeng Liao	36440573	Br J Pharmacol	WB

Storage

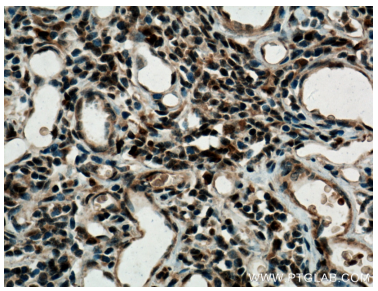
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

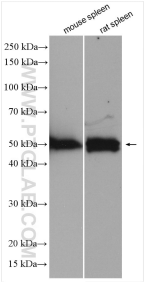
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

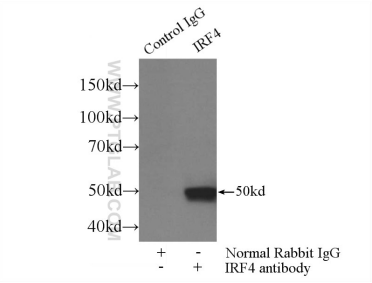
Selected Validation Data



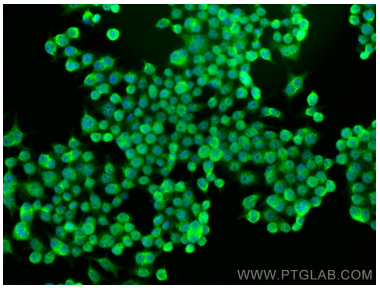
Immunohistochemical analysis of paraffin-embedded human thymus tissue slide using 11247-2-AP (MUM1/IRF4 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 11247-2-AP (MUM1/IRF4 antibody) at dilution of 1:10000 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.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using MUM1/IRF4 antibody (11247-2-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).