For Research Use Only

IRF4 Monoclonal antibody

Catalog Number:66451-1-Ig 10 Publications

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Basic Information

Catalog Number:
66451-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG25203

GenBank Accession Number:
BC015752

GeneID (NCBI):
3662

ENSEMBL Gene ID:
ENSG00000137265

UNIPROT ID:
Q15306

Full Name:
IRF 4

Calculated MW:
52 kDa

Observed MW:
48-52 kDa

Purification Method:
Protein G purification

CloneNo.:
1A12D5

Recommended Dilutions:
WB: 1:2000-1:10000
IHC: 1:200-1:800

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IF, CoIP

Species Specificity:
human, rat, pig

Cited Species:
human, mouse, rat, pig

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 : U266 cells, human spleen tissue, pig spleen tissue, rat spleen tissue, HuT 78 cells, MJ cells

IHC : human tonsillitis,

Background Information

IF regulatory factor 4 (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 IF-stimulated response element (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
Jiwei Wang	34670117	Biochim Biophys Acta Mol Cell Res	WB,CoIP
Yong Mou	35600643	Bioeng Transl Med	WB,IF
Longlong Ge	42371045	Inflamm Res	

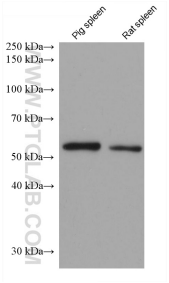
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

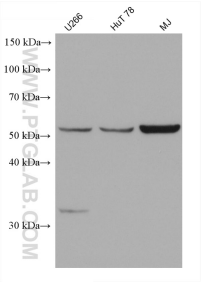
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data

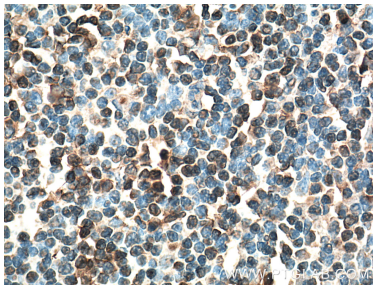


Various lysates were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66451-1-Ig (IRF4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66451-1-Ig (IRF4 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).