

ICSBP / IRF8 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11468**Specification****ICSBP / IRF8 Antibody (C-Terminus) - Product Information**

Application	IF, WB
Primary Accession	Q02556
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa

ICSBP / IRF8 Antibody (C-Terminus) - Additional Information**Gene ID** 3394**Other Names**

Interferon regulatory factor 8, IRF-8, Interferon consensus sequence-binding protein, H-ICSBP, ICSBP, IRF8, ICSBP1

Target/Specificity

peptide corresponding to 16 amino acids near the carboxy-terminus of human IRF8

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

ICSBP / IRF8 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ICSBP / IRF8 Antibody (C-Terminus) - Protein Information**Name** IRF8 {ECO:0000303|PubMed:21524210, ECO:0000312|HGNC:HGNC:5358}**Function**

Transcription factor that specifically binds to the upstream regulatory region of type I interferon (IFN) and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)) (PubMed:25122610). Can both act as a transcriptional activator or repressor (By similarity). Plays a negative regulatory role in cells of the immune system (By similarity). Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA- 3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF8 and activation of genes (By similarity). Required for the development of plasmacytoid dendritic cells (pDCs), which produce most of the type I IFN in response to viral infection (By similarity). Positively regulates macroautophagy in dendritic cells (PubMed:29434592). Acts as a transcriptional repressor of osteoclast differentiation factors such as NFATC1 and EEIG1 (By

similarity).

Cellular Location

Nucleus. Cytoplasm Note=In resting macrophages, localizes in the cytoplasm. Translocated in the nucleus upon IFN-gamma induction.

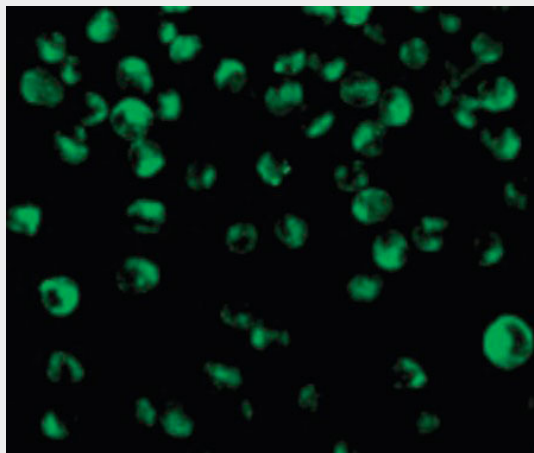
Tissue Location

Predominantly expressed in lymphoid tissues.

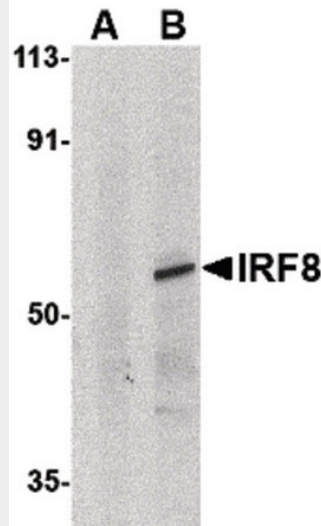
ICSBP / IRF8 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ICSBP / IRF8 Antibody (C-Terminus) - Images

Immunofluorescence of IRF8 in K562 cells with IRF8 antibody at 10 ug/ml.



Western blot of IRF8 in human thymus tissue lysate with IRF8 antibody at 1ug/ml in (A) the...

ICSBP / IRF8 Antibody (C-Terminus) - Background

Specifically binds to the upstream regulatory region of type I IFN and IFN-inducible MHC class I genes (the interferon consensus sequence (ICS)). Plays a negative regulatory role in cells of the immune system. Involved in CD8(+) dendritic cell differentiation by forming a complex with the BATF-JUNB heterodimer in immune cells, leading to recognition of AICE sequence (5'-TGAnTCA/GAAA-3'), an immune-specific regulatory element, followed by cooperative binding of BATF and IRF8 and activation of genes (By similarity).

ICSBP / IRF8 Antibody (C-Terminus) - References

Weisz A., et al. J. Biol. Chem. 267:25589-25596(1992).
Schmidt M., et al. Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases.
Cohen H., et al. J. Biol. Chem. 275:39081-39089(2000).
Basso K., et al. J. Exp. Med. 209:2455-2465(2012).
Sjoebom T., et al. Science 314:268-274(2006).