

Anti-IRF8- Antibody

HGNC: 5358, H-ICSBP, ICSBP, ICSBP1, IRF-8

CATALOG NO.: XAV-8513

SPECIES REACTIVITY: Human

SIZE: 48kDa

BACKGROUND:

Interferon regulatory factor 8 (IRF8, interferon consensus sequence-binding protein, ICSBP) is a transcription factor of the interferon (IFN) regulatory factor (IRF) family. Proteins of this family are composed of a conserved DNA-binding domain in the N-terminal region and a divergent C-terminal region that serves as the regulatory domain. The IRF family proteins bind to the IFN-stimulated response element (ISRE) and regulate expression of genes stimulated by type I IFNs, namely IFN- α and IFN- β . IRF family proteins also control expression of IFN- α and IFN- β -regulated genes that are induced by viral infection.

SOURCE:

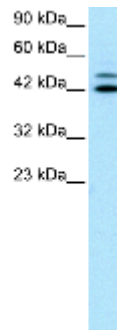
Anti-IRF8 polyclonal antibody produced in rabbits immunized with a synthetic peptide corresponding peptide with internal ID P01941 of human IRF8. Rabbit Ig G is purified by peptide affinity chromatography method.

APPLICATION:

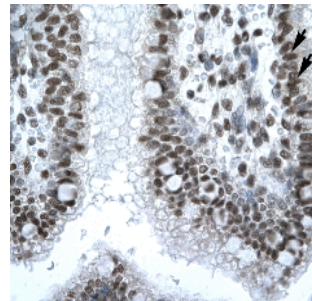
This polyclonal antibody can be used for the detection of synthetic peptide corresponding peptide with internal ID P01941 of human IRF8 by Immunoblot and Immunohistochemistry; Western blot at a suggested dilution at 0.5-2.0 μ g/ml in 5% skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50,000 - 100,004 as second antibody. Suggested starting concentrations are provided. Optimal dilutions should be determined by end-user. Differences in calculated versus apparent molecular weight may be due to post-translational modifications or protein hydrophobicity. **This product is for research use only.**

STORAGE:

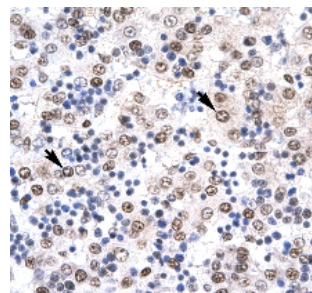
Antibody is lyophilized in PBS buffer with 2% sucrose. Add 100 μ l of distilled water. Final antibody concentration is 1 mg/ml. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycle.



Western blot analysis of IRF8 in HepG2 cell lysates using anti-IRF8 (Catalog No. XAV-8513).



Immunohistochemistry of IRF8 in human intestine paraffin embedded tissue using anti-IRF8 (Catalog No. XAV-8513) at 4.0-8.0 μ g/ml.



Immunohistochemistry of IRF8 in human liver paraffin embedded tissue using anti-IRF8 (Catalog No. XAV-8513) at 4.0-8.0 μ g/ml.

REFERENCES:

Nehyba, J., et al., (2002) Mol. Cell. Biol. 22(11), 3942-3957