



IRF-7 (phospho-Ser477) rabbit pAb

Catalog No	YP-Ab-01453
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	IRF7
Immunogen	Synthesized phosho peptide around human IRF-7 (Ser477)
Specificity	This antibody detects endogenous levels of Human IRF-7 (phospho-Ser477) , Mouse IRF-7 (phospho-Ser431), Rat IRF-7 (phospho-Ser429)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IMD39;Interferon regulatory factor 7;Interferon regulatory factor 7H;IRF 7;IRF 7A; IRF 7H;IRF-7;IRF7;IRF7_HUMAN;IRF7A;IRF7B;IRF7C;IRF7H;IRF-7 (Ser477); Interferon regulatory factor 7 (IRF-7)
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Nucleus. Cytoplasm. The phosphorylated and active form accumulates selectively in the nucleus.
Tissue Specificity	Expressed predominantly in spleen, thymus and peripheral blood leukocytes.
Function	function:Transcriptional activator. Binds to the interferon-stimulated response element (ISRE) in IFN promoters and in the Q promoter (Qp) of EBV nuclear antigen 1 (EBNA1). Functions as a molecular switch for antiviral activity. Activated by phosphorylation in response to infection. Activation leads to nuclear retention, DNA binding, and derepression of transactivation ability.,induction:By type I interferons.,PTM:In response to a viral infection, phosphorylated on the C-terminal serine cluster. Phosphorylation, and subsequent activation is inhibited by vaccinia virus protein E3.,similarity:Belongs to the IRF family.,similarity:Contains 1 tryptophan pentad repeat DNA-binding domain.,subcellular



location: The phosphorylated and active form accumulates selectively in the nucleus. subunit: Homodimer; phosphorylation-induced. Interacts with TICAM1 and TICAM2. Interacts with rotavirus A NSP1; t

Background

IRF7 encodes interferon regulatory factor 7, a member of the interferon regulatory transcription factor (IRF) family. IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. Inducible expression of IRF7 is largely restricted to lymphoid tissue. Multiple IRF7 transcript variants have been identified, although the functional consequences of these have not yet been established. [provided by RefSeq, Jul 2008],

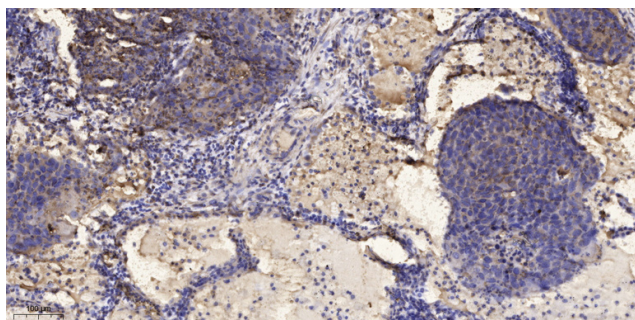
matters needing attention

Avoid repeated freezing and thawing!

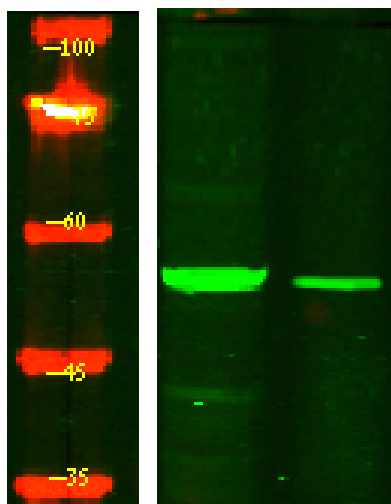
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot analysis of Hela treated or untreated by LPS lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000