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Rabbit Anti-Phospho-IRF7 (Ser471 + Ser472) antibody

SL3196R

Product Name:	Phospho-IRF7 (Ser471 + Ser472)
Chinese Name:	磷酸化Interferon调节因子7抗体
Alias:	Interferon regulatory factor 7; Interferon regulatory factor 7H; IRF 7; IRF 7A; IRF 7H; IRF7A; IRF7; IRF7H.
文献引用 PubMed :	**Specific References(2)**|SL3196R has been referenced in 2 publications. **[IF=8.14]**Han, Young Woo, et al. " Distinct Dictation of Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality via Triggering TLR3 and TLR4 Signal Pathways." PLoS Pathogens 10(9) (2014): e103882.**WB;Mouse**. PubMed:25188232 **[IF=3.23]**Le Bel, Manon, and Jean Gosselin. "Leukotriene B 4 Enhances NOD2-Dependent Innate Response against Influenza Virus Infection." PloS one 10.10 (2015): e0139856.**WB;Mouse**. PubMed:26444420
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800Flow-Cyt=1ug/test（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid

Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human IRF7 around the phosphorylation site of Ser471/472:GV(p-S)(p-S)LD
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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] **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. **Subunit:** Homodimer. **Subcellular Location:** Nucleus. Cytoplasm. The phosphorylated and active form accumulates selectively in the nucleus. **Tissue Specificity:** Expressed predominantly in spleen, thymus and peripheral blood leukocytes. **Post-translational modifications:** In response to a viral infection, phosphorylated on the C-terminal serine cluster. Phosphorylation, and subsequent activation is inhibited by vaccinia virus protein E3. TRAF6-mediated ubiquitination is required for IRF7 activation. **Similarity:** Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain. **SWISS:** Q92985

Gene ID:
3665

Database links:

Entrez Gene: 3665Human

Entrez Gene: 54123Mouse

Entrez Gene: 293624Rat

Omim: 605047Human

SwissProt: Q92985Human

SwissProt: P70434Mouse

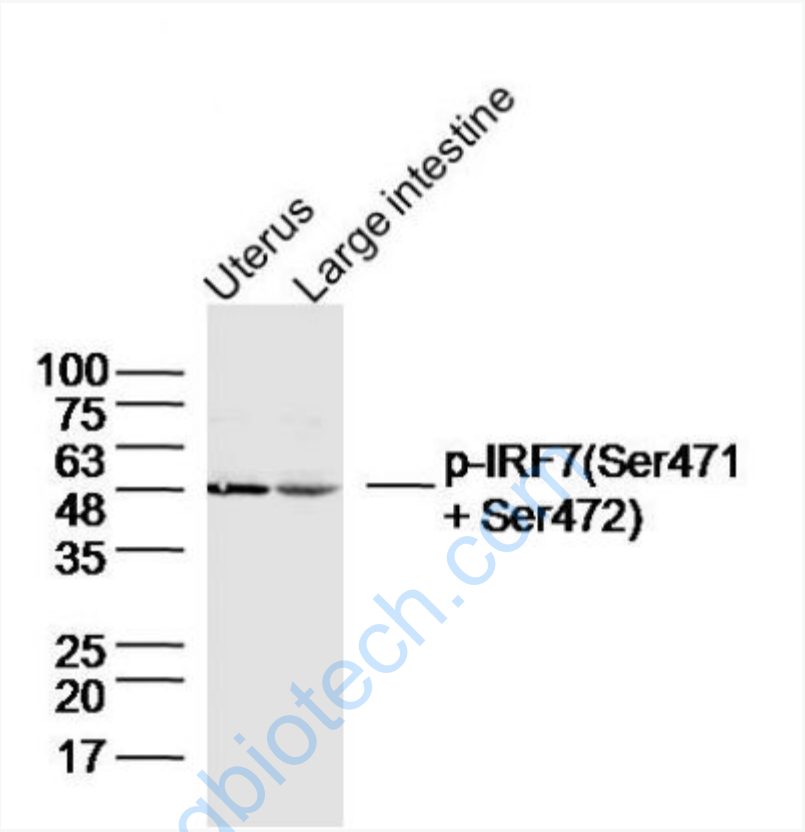
Unigene: 166120Human

Unigene: 3233Mouse

Unigene: 101159Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Uterus (Mouse) Lysate at 40 ug

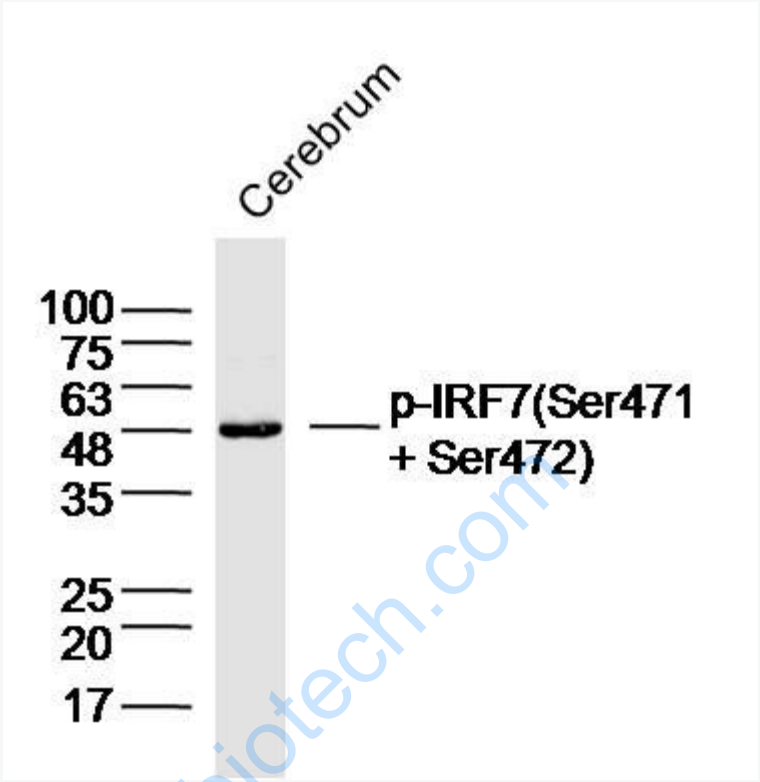
Large intestine (Mouse) Lysate at 40 ug

Primary: Anti-Phospho-IRF7 (Ser471 + Ser472)(SL3196R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54kD

Observed band size: 49kD



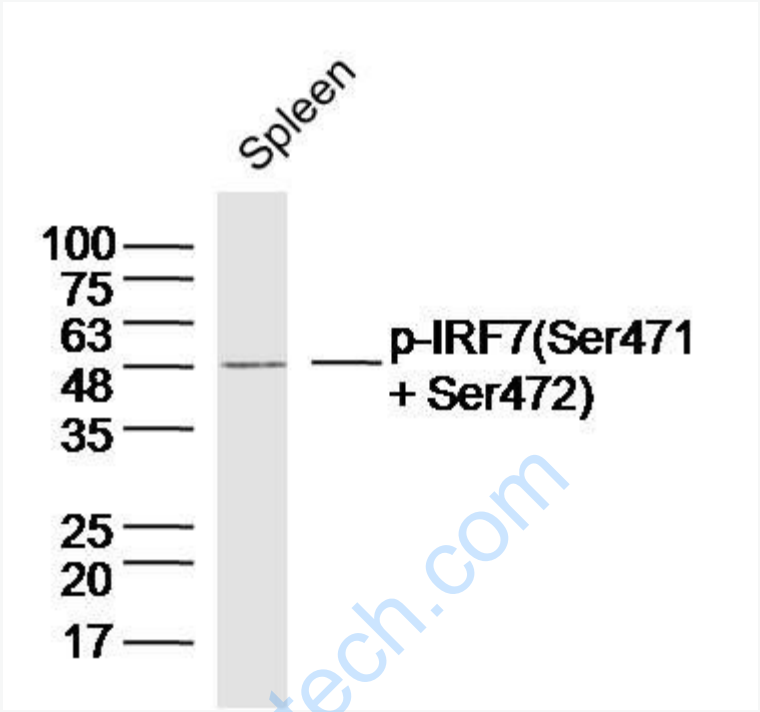
Sample:Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-Phospho-IRF7 (Ser471 + Ser472)(SL3196R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54kD

Observed band size: 48kD



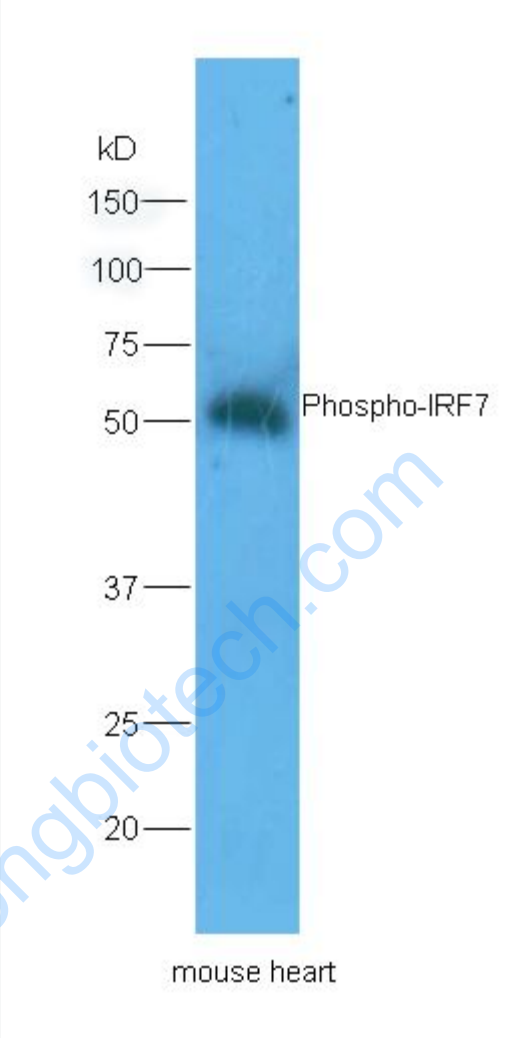
Sample:Spleen (Mouse) Lysate at 40 ug

Primary: Anti-Phospho-IRF7 (Ser471 + Ser472)(SL3196R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54kD

Observed band size: 49kD



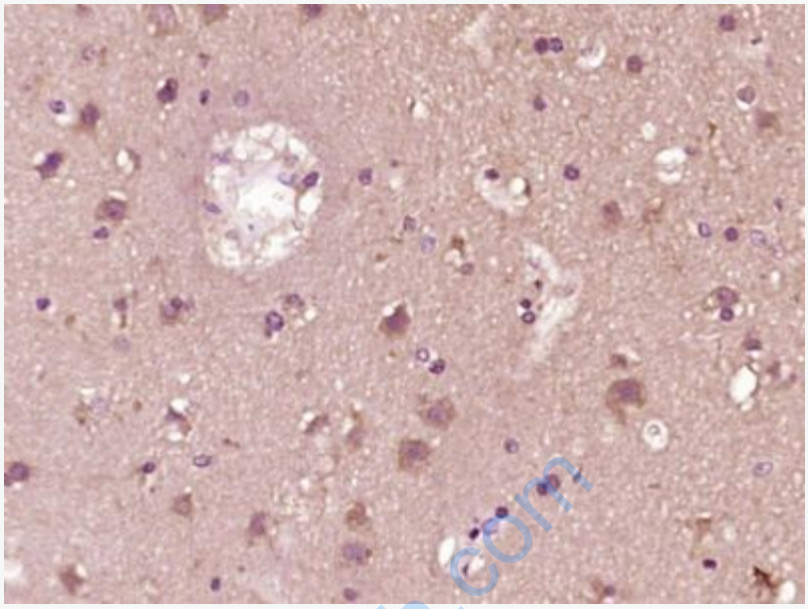
Sample: Heart(Mouse) lysate at 30ug;

Primary: Anti-Phospho-IRF7 (Ser471+Ser472) (SL3196R) at 1:200 dilution;

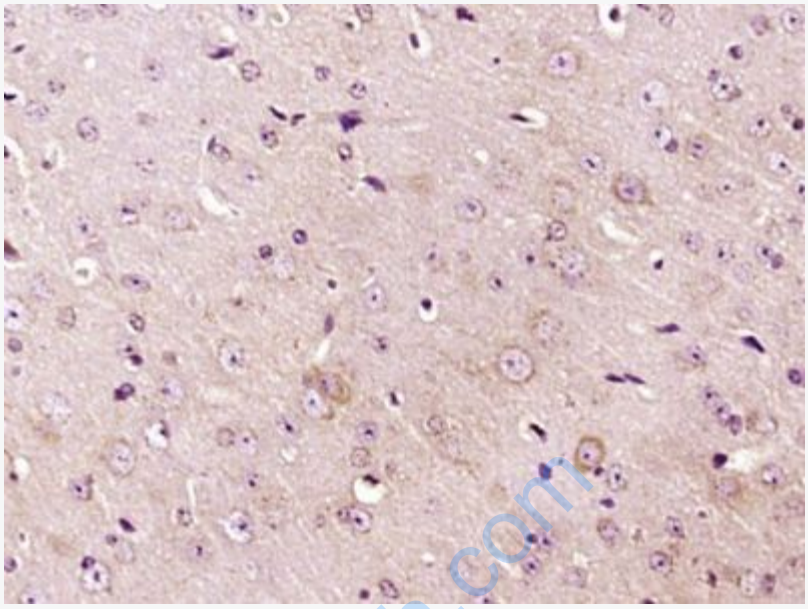
Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL3196R) at 1: 5000 dilution;

Predicted band size : 54kD

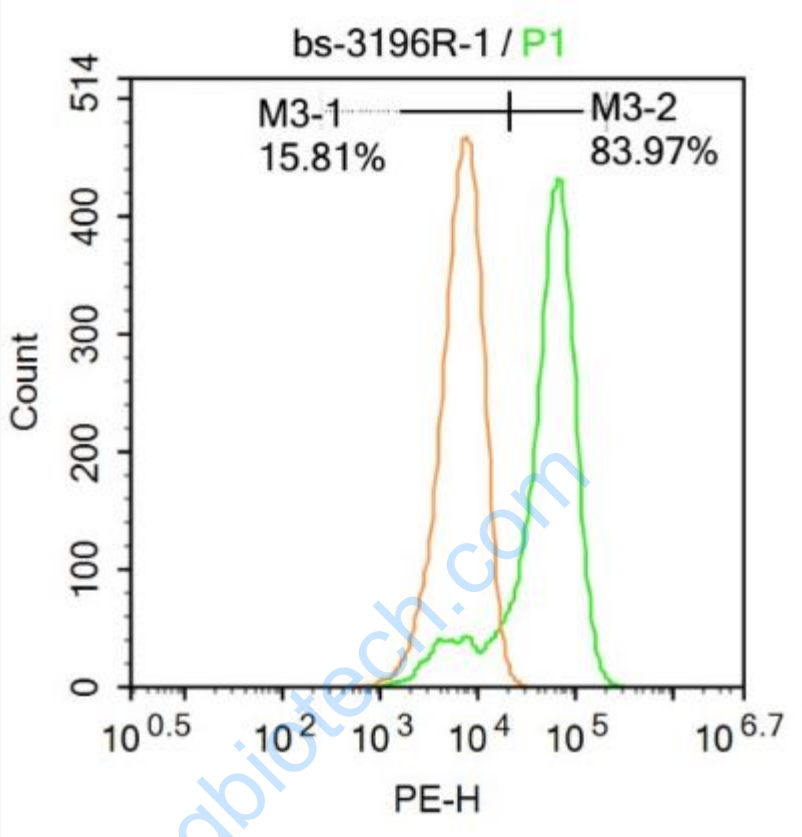
Observed band size : 51kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IRF7 (Ser471 + Ser472)) Polyclonal Antibody, Unconjugated (SL3196R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IRF7 (Ser471 + Ser472)) Polyclonal Antibody, Unconjugated (SL3196R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:Molt-4.

Primary Antibody (green line): Rabbit Anti-Phospho-IRF7 (Ser471 + Ser472) antibody (SL3196R)

Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: 1µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at

	at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.