

IRF-7 (pS471/472) Polyclonal Antibody

Store at -20°C

Catalog Number: A16681

Pub. No. MAN0009153 Rev. 1.00

Clonality: Polyclonal
Reactivity: Human IRF-7

Amount: 100 µL
Species Reactivity: Human

Host/Class: Rabbit

Product Description

Interferon regulatory factors (IRFs) are transcription factors that function within the Jak/Stat pathway to regulate interferon (IFN) and IFN-inducible gene expression in response to viral infection (1). IRFs play an important role in pathogen defense, autoimmunity, lymphocyte development, cell growth, and susceptibility to transformation. The IRF family includes nine members: IRF-1, IRF-2, ISGF3γ/p48, IRF-3, IRF-4 (Pip/LSIRF/ICSAT), IRF-5, IRF-6, IRF-7, and IRF-8/ICSBP. All IRF proteins share homology in their amino-terminal DNA-binding domains. IRF family members regulate transcription through interactions with proteins that share similar DNA-binding motifs, such as IFN-stimulated response elements (ISRE), IFN consensus sequences (ICS), and IFN regulatory elements (IRF-E) (2).

Product Specifications

Immunogen:	A synthetic phosphopeptide corresponding to residues surrounding Ser471/472 of human IRF-7 protein
Predicted Reactivity:	Mouse, Rat, Hamster, Monkey, Bovine, Dog, Pig, Horse
Apparent MW:	65 kDa
Gene ID:	3665
Protein Accession No.:	Q92985
Lot:	See product label

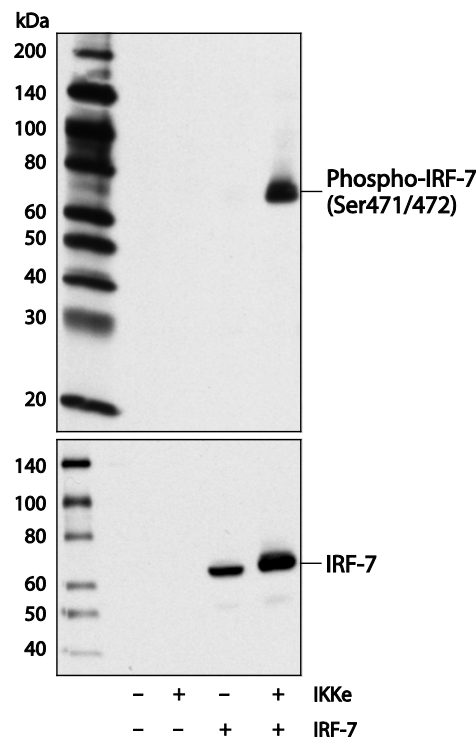


Figure 1 Western blot analysis of extracts from 293T cells, mock transfected or transfected with IKKε and/or IRF-7, using IRF-7 (pS471/472) Polyclonal Antibody (top) or an IRF-7 antibody (bottom).

Product Applications

Applications reported for this antibody include western blot. Because conditions may vary, it is recommended that each investigator determine the optimal amount of antibody to be used for each application.

Application	Recommended Dilution
Western blotting	1:1000

Storage and Handling

Store reagents at -20°C. Avoid repeated freezing and thawing. Do not aliquot the antibody.

For research use only. Not for use in diagnostic procedures

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Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

10 mM sodium HEPES (pH 7.5), 150 nM NaCl, 100 µg/mL BSA, 50% glycerol.

References

1. Taniguchi, T. et al. (2001) Annu Rev Immunol 19, 623-55.
2. Honda, K. and Taniguchi, T. (2006) Nat Rev Immunol 6, 644-58.








Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Limited Product Warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

Explanation of symbols

Symbol	Description	Symbol	Description	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

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