

IRF5 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11366**Specification****IRF5 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q13568
Other Accession	NM_032643 , NP_116032
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Rabbit, Bovine
Clonality	Rabbit
Calculated MW	Polyclonal 56kDa KDa

IRF5 antibody - N-terminal region - Additional Information**Gene ID** 3663

Alias Symbol	SLEB10
Other Names	
Interferon regulatory factor 5, IRF-5, IRF5	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-IRF5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

IRF5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

IRF5 antibody - N-terminal region - Protein Information**Name** IRF5 {ECO:0000303|PubMed:11303025, ECO:0000312|HGNC:HGNC:6120}**Function**

Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and INFB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed: [11303025](http://www.uniprot.org/citations/11303025), PubMed: [15695821](http://www.uniprot.org/citations/15695821), PubMed: [22412986](http://www.uniprot.org/citations/22412986), PubMed: [25326418](http://www.uniprot.org/citations/25326418), PubMed: [32433612](http://www.uniprot.org/citations/32433612)). Regulates the transcription of type I IFN genes (IFN-alpha and

IFN-beta) and IFN- stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters (By similarity). Can efficiently activate both the IFN-beta (IFNB) and the IFN-alpha (IFNA) genes and mediate their induction downstream of the TLR-activated, MyD88-dependent pathway (By similarity). Key transcription factor regulating the IFN response during SARS-CoV-2 infection (PubMed:33440148).

Cellular Location

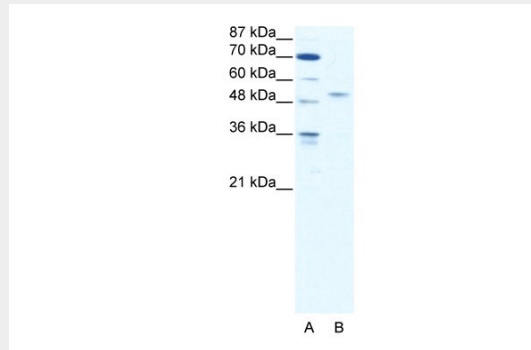
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm: upon activation by the TLR adapter MYD88 and subsequent phosphorylation, translocates to the nucleus

IRF5 antibody - N-terminal region - 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](#)

IRF5 antibody - N-terminal region - Images



WB Suggested Anti-IRF5 Antibody Titration: 2.5µg/ml

ELISA Titer: 1:312500

Positive Control: HepG2 cell lysate

IRF5 antibody - N-terminal region - References

Mancl,M.E., et al., (2005) J. Biol. Chem. 280 (22), 21078-21090
Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.