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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	**Human, Mouse, Rat, Rabbit, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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, PubMed:15695821, PubMed:22412986, PubMed:25326418, PubMed: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).

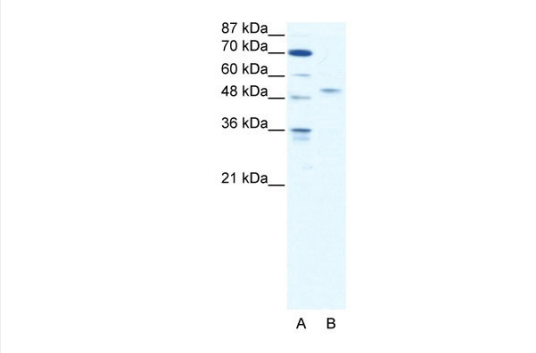
Cellular Location
Cytoplasm. Nucleus. Note=Shuttles between the nucleus and the cytoplasm: upon activation by the TLR adapter MYD88 and subsequent phosphorylation, translocates to the nucleus

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 Cytomety
- 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), 21078-21090Reconstitution 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.