

**IFI35 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP59355****Specification**

---

**IFI35 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF
Primary Accession	<a href="#">P80217</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31546

**IFI35 Polyclonal Antibody - Additional Information****Gene ID** 3430**Other Names**

Interferon-induced 35 kDa protein, IFP 35, Ifi-35, IFI35 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=5399" target="\_blank">HGNC:5399</a>)

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**IFI35 Polyclonal Antibody - Protein Information****Name** IFI35 ([HGNC:5399](#))**Function**

Acts as a signaling pathway regulator involved in innate immune system response (PubMed:<a href="http://www.uniprot.org/citations/26342464" target="\_blank">26342464</a>, PubMed:<a href="http://www.uniprot.org/citations/29038465" target="\_blank">29038465</a>, PubMed:<a href="http://www.uniprot.org/citations/29350881" target="\_blank">29350881</a>). In response to interferon IFN-alpha, associates in a complex with signaling pathway regulator NMI to regulate immune response; the complex formation prevents proteasome-mediated degradation of IFI35 and correlates with IFI35 dephosphorylation (PubMed:<a href="http://www.uniprot.org/citations/10779520" target="\_blank">10779520</a>, PubMed:<a href="http://www.uniprot.org/citations/10950963" target="\_blank">10950963</a>). In complex with NMI, inhibits virus-triggered type I interferon/IFN-beta production (PubMed:<a href="http://www.uniprot.org/citations/26342464" target="\_blank">26342464</a>). In complex with NMI, negatively regulates nuclear factor NF-kappa-B signaling by inhibiting the nuclear translocation, activation and transcription of the NF-kappa-B subunit p65/RELA, resulting in the inhibition of endothelial cell proliferation, migration and re-endothelialization of injured arteries

(PubMed:<a href="http://www.uniprot.org/citations/29350881" target="\_blank">29350881</a>). Beside its role as an intracellular signaling pathway regulator, also functions extracellularly as damage-associated molecular patterns (DAMPs) to promote inflammation when actively released by macrophage to the extracellular space during cell injury and pathogen invasion (PubMed:<a href="http://www.uniprot.org/citations/29038465" target="\_blank">29038465</a>). Macrophage-secreted IFI35 activates NF-kappa-B signaling in adjacent macrophages through Toll-like receptor 4/TLR4 activation, thereby inducing NF-kappa-B translocation from the cytoplasm into the nucleus which promotes the release of pro-inflammatory cytokines (PubMed:<a href="http://www.uniprot.org/citations/29038465" target="\_blank">29038465</a>).

**Cellular Location**

Cytoplasm. Nucleus. Secreted Note=Cytoplasmic IFI35 localizes in punctate granular structures (PubMed:10950963). Nuclear localization increased is stimulated by IFN- alpha (PubMed:8288566, PubMed:10950963). Extracellular following secretion by macrophage (PubMed:29038465)

**Tissue Location**

Expressed in a wide range of cell types, including fibroblasts, macrophages, and epithelial cells

**IFI35 Polyclonal Antibody - 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](#)

**IFI35 Polyclonal Antibody - Images**