

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

IFI35 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P80217
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, Ii-35, IFI35 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=5399" target="_blank">HGNC:5399)

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:26342464, PubMed:29038465, PubMed:29350881). 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:10779520, PubMed:10950963). In complex with NMI, inhibits virus-triggered type I interferon/IFN-beta production (PubMed:26342464). 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:29350881). 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:29038465). 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:29038465).

Cellular Location

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