

## IFI6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12965a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P09912</a>
<b>Other Accession</b>	<a href="#">NP_002029.3</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB32404
<b>Calculated MW</b>	12927
<b>Antigen Region</b>	5-34

### Additional Information

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<b>Gene ID</b>	2537
<b>Other Names</b>	Interferon alpha-inducible protein 6, Interferon-induced protein 6-16, Ifi-6-16, IFI6, G1P3
<b>Target/Specificity</b>	This IFI6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 5-34 amino acids of human IFI6(P09912-3).
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	IFI6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	IFI6 ( <a href="#">HGNC:4054</a> )
<b>Function</b>	Interferon-stimulated protein that plays an important role in innate immune response against a wide variety of viruses (PubMed: <a href="#">31142663</a> ). Inhibits flavivirus replication by preventing the formation of virus-induced

endoplasmic reticulum membrane invaginations, which are double-membrane vesicles that flaviviruses use for their replication (PubMed:[30224801](#)). Has an antiviral activity towards hepatitis C virus/HCV by inhibiting the EGFR signaling pathway, whose activation is required for entry of the virus into cells (PubMed:[25757571](#)). Within the nucleus, restricts hepatitis B virus/HBV promoter activity leading to substantial reduction of viral replication and gene expression (PubMed:[33868257](#)). Plays a role in apoptosis, negatively regulating the intrinsic apoptotic signaling pathway and TNFSF10-induced apoptosis (PubMed:[15685448](#), PubMed:[17823654](#), PubMed:[26244642](#)). However, it has also been shown to have a pro- apoptotic activity (PubMed:[27673746](#)). Modulates innate immune response mediated by RIGI by preventing its activation (PubMed:[36793726](#)).

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein.  
Mitochondrion inner membrane; Multi-pass membrane protein

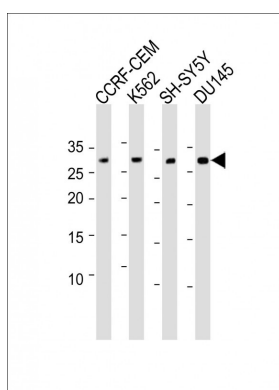
## Background

This gene was first identified as one of the many genes induced by interferon. The encoded protein may play a critical role in the regulation of apoptosis. A minisatellite that consists of 26 repeats of a 12 nucleotide repeating element resembling the mammalian splice donor consensus sequence begins near the end of the second exon. Alternatively spliced transcript variants that encode different isoforms by using the two downstream repeat units as splice donor sites have been described.

## References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)  
Szegedi, K., et al. Exp. Dermatol. 19(3):269-278(2010)  
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :  
Zhao, D., et al. Virol. J. 5, 114 (2008) :  
Cheriyath, V., et al. J. Clin. Invest. 117(10):3107-3117(2007)

## Images



All lanes: Anti-IFI6 Antibody (N-term) at 1:1000 dilution  
Lane 1: CCRF-CEM whole cell lysate Lane 2: K562 whole cell lysate Lane 3: SH-SY5Y whole cell lysate Lane 4: DU145 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 30 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.