

IFI-16 Rabbit pAb

CatalogNo: YT2274

Key Features

Host Species

- Rabbit

Reactivity

- Human,

Applications

- WB,ELISA

MW

- 88kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:40000

Not yet tested in other applications.

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human IFI16. AA range:731-780

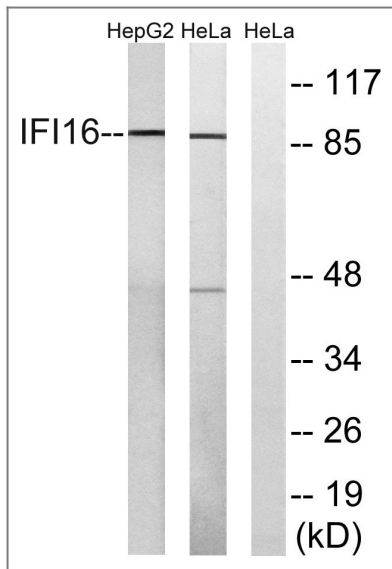
Specificity

IFI-16 Polyclonal Antibody detects endogenous levels of IFI-16 protein.

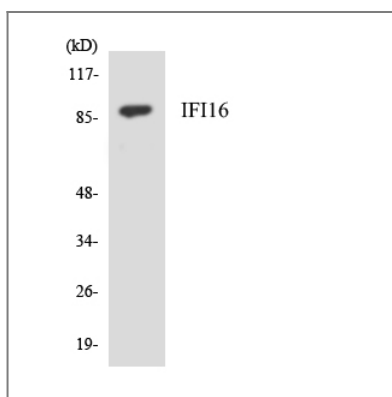
Target Information

Gene name	IFI16		
Protein Name	Gamma-interferon-inducible protein 16		
	Organism	Gene ID	UniProt ID
	Human	3428;	Q16666;
Cellular Localization	Nucleus. Cytoplasm. Cellular distribution is dependent on the acetylation status of the multipartite nuclear localization signal (NLS); NLS acetylation promotes cytoplasmic localization. Localizes in the nucleus during human herpes simplex virus 1 (HHV-1) infection.		
Tissue specificity	Expressed in peripheral blood leukocytes, fibroblasts and lymphoid cells. Present in myeloid precursors (CD34+) and throughout monocyte development, but its expression is down-regulated in erythroid and polymorphonuclear precursor cells. Present in prostate, ovary and breast (at protein level).		
Function	Function:May function as a transcriptional repressor. Could have a role in the regulation of hematopoietic differentiation through activation of unknown target genes. Controls cellular proliferation by modulating the functions of cell cycle regulatory factors including p53/TP53 and the retinoblastoma protein. May be involved in the senescence of prostate epithelial cells.,induction:Strongly induced by gamma interferon and, to a lesser extent, by alpha interferon. In HL-60 cells, maximum induction by gamma-interferon occurs within 12 hours whereas, for alpha-interferon, only 10-fold induction was observed after 36 hours. Induced in vitro by dimethylsulfoxide, retinoic acid and 1,25 dihydroxyvitamin D3.,PTM:Isoform 3 seems to show a minor degree of complex carbohydrate addition.,PTM:Phosphorylated on Ser and Thr.,sequence Caution:Intron retention.,similarity:Belongs to the HIN-200 family.,similarity:Contains 1 DAPIN domain.,similarity:Contains 2 HIN-200 domains.,subunit:Isoform 1, isoform 2 and isoform 3 can homo- and hetero-dimerize. Binds double-stranded DNA and cell cycle regulatory factors including p53 and the retinoblastoma protein.,tissue specificity:Expressed in peripheral blood leukocytes, fibroblasts and lymphoid cells. Present in myeloid precursors (CD34+) and throughout monocyte development, but its expression is down-regulated in erythroid and polymorphonuclear precursor cells. Present in prostate, ovary and breast (at protein level).		

| Validation Data



Western blot analysis of lysates from HeLa and HepG2 cells, using IFI16 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using IFI16 antibody.

Contact information

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Please scan the QR code to access additional product information:
IFI-16 Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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