Product name:	IFI-16 Rabbit Polyclonal Antibody
Cat number:	ABN12372
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human IFI16. AA range:731-780
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight:	88kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2011],function:May function as a transcriptional repressor. Could have a role in the regulation of hematopoeitic 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).,