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IFI16 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant IFI16.
Catalog # AT2484a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q16666
Other Accession	BC017059
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2E4
Calculated MW	88256

Additional Information

Gene ID	3428
Other Names	Gamma-interferon-inducible protein 16, Ifi-16, Interferon-inducible myeloid differentiation transcriptional activator, IFI16, IFNGIP1
Target/Specificity	IFI16 (AAH17059, 630 a.a. ~ 729 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	IFI16 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

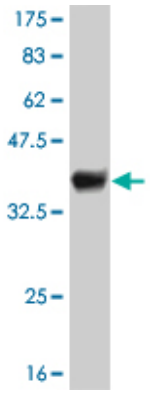
This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigens with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involved in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localizes to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 function, and inhibits cell growth in the Ras/Raf signaling pathway.

References

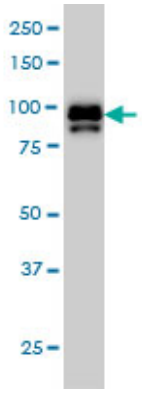
Evaluation of candidate stromal epithelial cross-talk genes identifies association between risk of serous

ovarian cancer and TERT, a cancer susceptibility hot-spot. Johnatty SE, et al. PLoS Genet, 2010 Jul 8. PMID 20628624.Association of IFI200 gene polymorphisms with susceptibility to systemic lupus erythematosus. Kimkong I, et al. J Rheumatol, 2010 Jul. PMID 20595294.Human cytomegalovirus pUL83 stimulates activity of the viral immediate-early promoter through its interaction with the cellular IFI16 protein. Cristea IM, et al. J Virol, 2010 Aug. PMID 20504932.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Delta-like 1 contributes to cell growth by increasing the interferon-inducible protein 16 expression in hepatocellular carcinoma. Yu F, et al. Liver Int, 2010 May. PMID 20214740.

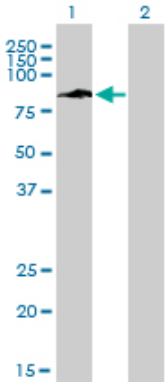
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .

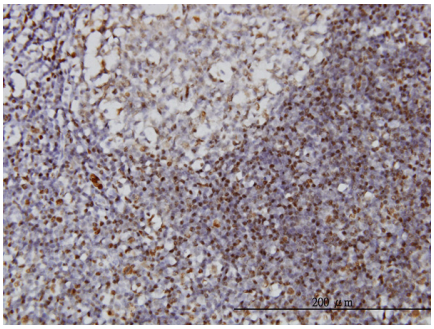


IFI16 monoclonal antibody (M03), clone 2E3 Western Blot analysis of IFI16 expression in Hela S3 NE ((Cat # AT2484a)

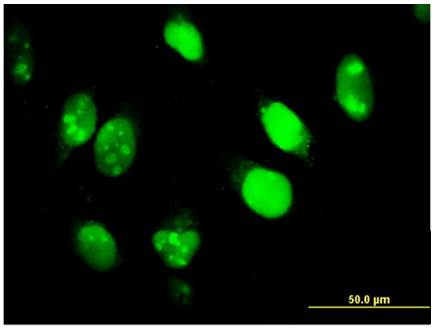


Western Blot analysis of IFI16 expression in transfected 293T cell line by IFI16 monoclonal antibody (M03), clone 2E3.

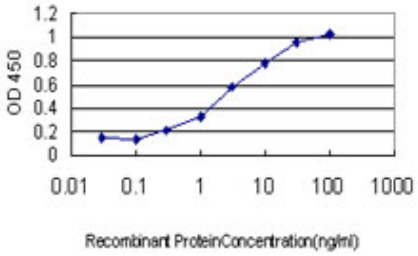
Lane 1: IFI16 transfected lysate(82 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to IFI16 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to IFI16 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged IFI16 is approximately 0.3ng/ml as a capture antibody.

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