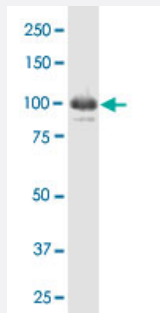


IFI16 monoclonal antibody (M03), clone 2E3

Catalog # H00003428-M03

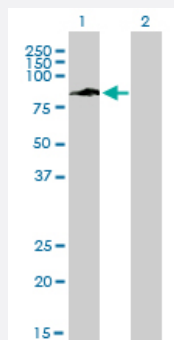
Size 100 ug

Applications



Western Blot (Cell lysate)

IFI16 monoclonal antibody (M03), clone 2E3. Western Blot analysis of IFI16 expression in Jurkat.

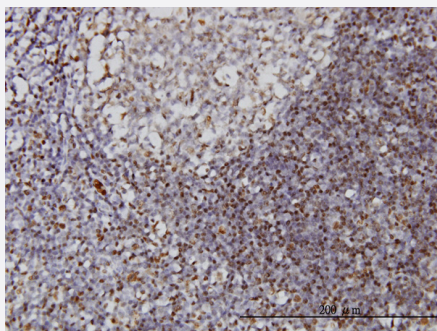


Western Blot (Transfected lysate)

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

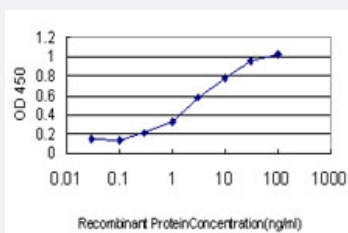
Lane 1: IFI16 transfected lysate(82 KDa).

Lane 2: Non-transfected lysate.



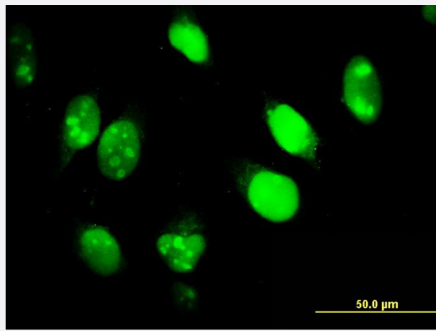
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



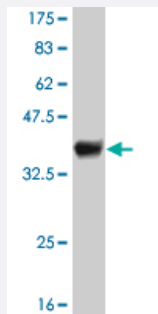
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant IFI16.
Immunogen	IFI16 (AAH17059, 630 a.a. ~ 729 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	FVNGVFVHKKNVRGFTYYEIQDNTGKMEVVVHGRLTTINCEEGLKLTCTFELAPKSGNTGEL RSVIHSHIKVIKTRKNKKDILNPDSSMETSPDFFF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (43)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

IF16 monoclonal antibody (M03), clone 2E3. Western Blot analysis of IF16 expression in Jurkat.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of IF16 expression in transfected 293T cell line by IF16 monoclonal antibody (M03), clone 2E3.

Lane 1: IF16 transfected lysate(82 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IF16 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IF16 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to IF16 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — IF16

Entrez GeneID	3428
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GeneBank Accession#	BC017059
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Protein Accession#	AAH17059
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Gene Name	IFI16
Gene Alias	IFNGIP1, MGC9466, PYHIN2
Gene Description	interferon, gamma-inducible protein 16
Omim ID	147586
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the HIN-200 (hematopoietic interferon-inducible nuclear antigen s with 200 amino acid repeats) family of cytokines. The encoded protein contains domains involv ed in DNA binding, transcriptional regulation, and protein-protein interactions. The protein localize s to the nucleoplasm and nucleoli, and interacts with p53 and retinoblastoma-1. It modulates p53 f unction, and inhibits cell growth in the Ras/Raf signaling pathway. [provided by RefSeq
Other Designations	OTTHUMP00000035192 interferon-gamma induced protein IFI 16 interferon-inducible myeloid dif ferentiation transcriptional activator

Publication Reference

- [The significance of interferon gamma inducible protein 16 \(IFI16\) expression in drug resistant ovarian cancer cell lines.](#)

Justyna Borucka, Karolina Sterzyńska, Dominika Kaźmierczak, Monika Świerczewska, Marta Nowacka, Karolina Wojtowicz, Andrzej Klejewski, Michał Nowicki, Maciej Zabel, Rodryg Ramlau, Radosław Januchowski.

Biomedicine & Pharmacotherapy 2022 Apr; 150:113036.

Application: IF, Human, A2780 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)