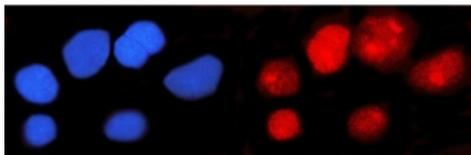


## IFI16 Antibody / Gamma-interferon-inducible protein 16 [clone 2I3D7] (RQ7639)

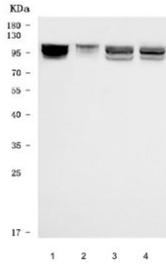
Catalog No.	Formulation	Size
RQ7639	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

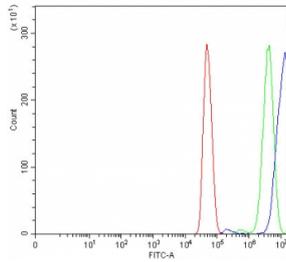
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	2I3D7
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q16666
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This IFI16 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-251 cells with IFI16 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Daudi, 2) Raji, 3) MOLT4 and 4) U-87 MG cell lysate with IFI16 antibody. Expected molecular weight: 85-95 kDa (three isoforms).



Flow cytometry testing of human U-251 cells with IFI16 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IFI16 antibody.

## Description

Gamma-interferon-inducible protein I $\text{fi}$ -16 (I $\text{fi}$ -16) also known as interferon-inducible myeloid differentiation transcriptional activator is a protein that in humans is encoded by the IFI16 gene. 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.

## Application Notes

Optimal dilution of the IFI16 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids E183-K743) was used as the immunogen for the IFI16 antibody.

## Storage

After reconstitution, the IFI16 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.