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Datasheet for ABIN5004990

anti-IFI16 antibody (AA 201-350) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	IFI16
Binding Specificity:	AA 201-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFI16 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IFI16
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	IFI16
Alternative Name:	I16/MNDA (IFI16 Products)
Background:	Synonyms: Gamma-interferon-inducible protein i16, Interferon-inducible myeloid dferentiation

Target Details

transcriptional activator, A730048F03, D3, D3cDNA, i-d3, I16, I16B, I204, I205, i205a, i205b, NGIP1, MGC9466, Mnda, p204, PYHIN2.

Background: Interferon (IFN) Inducible 16 (IFI16) protein belongs to a family of HIN 200 human and mouse proteins. IFI16 is a nuclear protein containing regulatory domains such as DNA binding domain, transcriptional regulatory domain and DAPIN/PAAD domain. IFI16 has three isoforms A, B, and C (85-95 kDa), which arise as a result of mRNA alternative splicing. All are phosphorylated on serine and threonine residues and can homo and heterodimerize.

Expression is restricted to the nuclei of hematopoietic cells, fibroblasts and epithelial cells.

IFI16 expression in hematopoietic cells of myeloid lineage is tightly regulated and highly induced in the differentiation and proliferation of the cell. Due to its localization in the nucleus, regulation of protein expression, and ability to bind DNA, it is assumed that IFI16 has a role in transcription regulation of cell differentiation. In addition, it was found that IFI16 can act as a transcriptional repressor and is involved in regulation and activation of p53 in cancer cells.

Gene ID: 3428

Pathways: [Activation of Innate immune Response](#), [Positive Regulation of Endopeptidase Activity](#), [Autophagy](#), [Inflammasome](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months