

Anti-IFI16 Antibody (9E973)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 86 kDa.
Clone:	9E973
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (IFI16) Monoclonal Antibody, Unconjugated (TMAB-07507) at 1:300 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (IFI16) Monoclonal Antibody, Unconjugated (TMAB-07507) at 1:300 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (IFI16) Monoclonal Antibody, Unconjugated (TMAB-07507) at 1:300 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.</p>
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human IFI16
Antigen Species:	Human
Gene ID:	3428
Uniprot ID:	Q16666

Research 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 isotypes A, B, and C (85-95 kDa), which arise as a result of mRNA alternative

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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.

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