# Rabbit IFI16 Polyclonal Antibody | anti-IFI16 antibody

Anti-IFI16 Antibody Picoband

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA19409** | **Rabbit** | **Human, Mouse, Rat** | **Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA** |

## PRODUCT SYNONYMS

IFI16; Polyclonal Antibody; Anti-IFI16 Antibody Picoband; anti-IFI16 antibody

## PRODUCT SPECIFICATIONS

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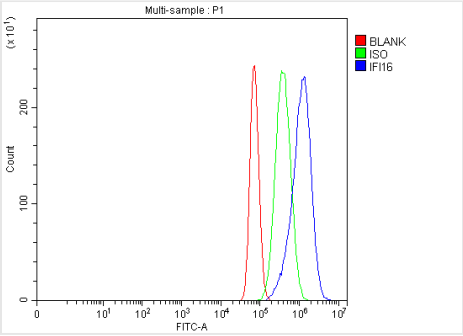
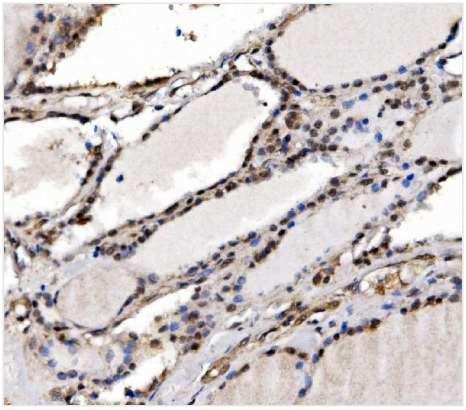
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Purity/Purification** | Immunogen affinity purified. |
| **Form/Format** | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| **Concentration** | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot) |
| **Applicable Applications for anti-IFI16 antibody** | WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA |
| **Application Notes** | WB: 0.1-0.25 ug/ml, Human, Mouse, Rat<br>IHC-P: 2-5 ug/ml, Human<br>FC/FACS: 1-3 ug/1x10^6 cells, Human<br>Direct ELISA: 0.1-0.5 ug/ml, Human<br>Tested Species: In-house tested species with positive results.<br>Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P). |
| **Reconstitution** | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| **Immunogen** | E Coli-derived human IFI16 recombinant protein (Position: E183-K743). |
| **Preparation and Storage** | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing. |

## IMAGES



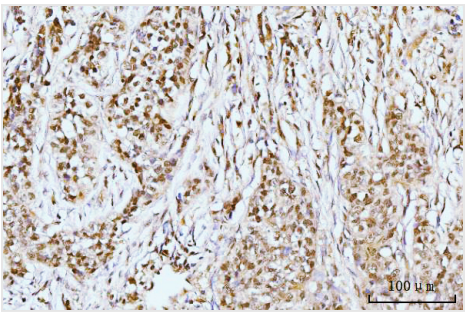

**FCM (Flow Cytometry)**

Figure 8. Flow Cytometry analysis of U87 cells using anti-IFI16 antibody (AAA19409).Overlay histogram showing U87 cells stained with AAA19409 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-IFI16 Antibody (AAA19409, 1 ug/1x10^6 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



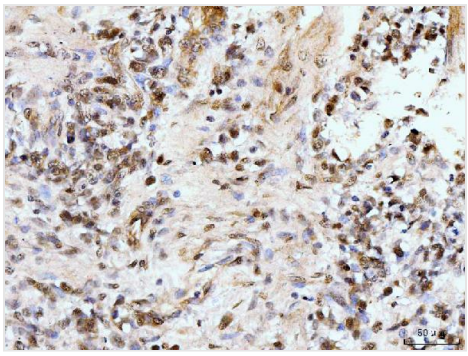
**IHC (Immunohistochemistry)**

Figure 7. IHC analysis of IFI16 using anti-IFI16 antibody (AAA19409).IFI16 was detected in a paraffin-embedded section of human hyroid papillary carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFI16 Antibody (AAA19409) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



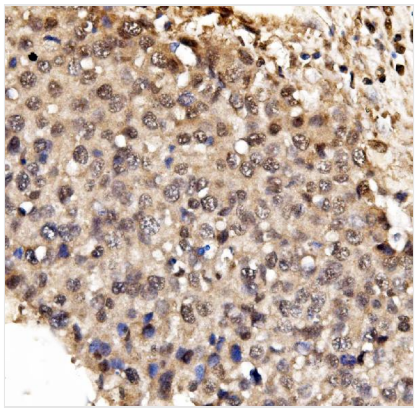

**IHC (Immunohistchemistry)**

Figure 6. IHC analysis of IFI16 using anti-IFI16 antibody (AAA19409).IFI16 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFI16 Antibody (AAA19409) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

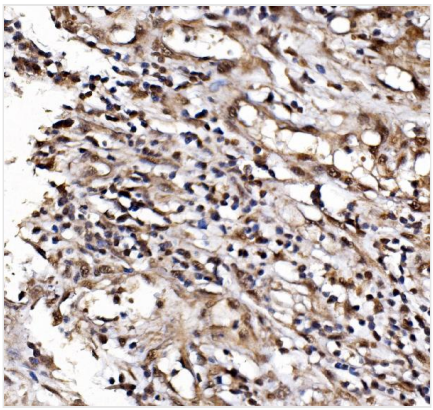


**IHC (Immunohistochemistry)**

Figure 5. IHC analysis of IFI16 using anti-IFI16 antibody (AAA19409).IFI16 was detected in a paraffin-embedded section of human gastric cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFI16 Antibody (AAA19409) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



**IHC (Immunohistochemistry)**
Figure 4. IHC analysis of IFI16 using anti-IFI16 antibody (AAA19409).IFI16 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFI16 Antibody (AAA19409) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



**IHC (Immunohistochemistry)**
Figure 3. IHC analysis of IFI16 using anti-IFI16 antibody (AAA19409).IFI16 was detected in a paraffin-embedded section of human laryngeal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-IFI16 Antibody (AAA19409) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-IFI16 antibody** | Gamma-interferon-inducible protein Ifi-16 (Ifi-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. |
| **Product Categories/Family for anti-IFI16 antibody** | Primary Antibodies, Rabbit Polyclonal Antibodies |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 330864753 |
| **NCBI GeneID** | 3428 |
| **NCBI Accession #** | NP_001193496.1 |
| **NCBI GenBank Nucleotide #** | NM_001206567.1 |
| **UniProt Accession #** | Q16666; Q59GX0; Q5T3W7; Q5T3W8; Q5T3X0; Q5T3X1; Q5T3X2; Q8N9E5; Q8NEQ7; Q96AJ5; B4DJT8; H3BLV7 |
| **Molecular Weight** | 88,256 Da |
| **NCBI Official Full Name** | gamma-interferon-inducible protein 16 isoform 1 |
| **NCBI Official Synonym Full Names** | interferon, gamma-inducible protein 16 |
| **NCBI Official Symbol** | IFI16 |
| **NCBI Official Synonym Symbols** | PYHIN2; IFNGIP1 |
| **NCBI Protein Information** | gamma-interferon-inducible protein 16; interferon-gamma induced protein IFI 16; interferon-inducible myeloid differentiation transcriptional activator |
| **UniProt Protein Name** | Gamma-interferon-inducible protein 16 |
| **UniProt Gene Name** | **IFI16** |

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|---|---|
| **UniProt Synonym Gene Names** | IFNGIP1; Ifi-16 |
| **UniProt Entry Name** | IF16_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/ifi16-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/19409