

Anti-IFI30 Antibody (4Q235)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 4Q235 |
| Purification: | Protein A |

Applications

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| Verified Activity: | 1. Immunochemical staining of human IFI30 in human tonsil with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections). |
| | 2. Immunochemical staining of human IFI30 in human lung with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections). |
| | 3. Immunofluorescence staining of IFI30 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-IFI30 monoclonal antibody (dilution ratio 1:30) at 4°C overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm. |
| Application: | ICC/IF,IHC-P |
| Recommended | IHC-P: 1:10000-1:20000; ICC-IF: 1:20-1:100 |

Properties

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| 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. Preservative-Free. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | Recombinant Protein: Human IFI30 Protein (TMPY-02887) |
| Antigen Species: | Human |
| Synonyms: | GILT;IP30;IP-30;interferon γ inducible protein 30;IFI-30;interferon gamma inducible protein 30;IFI30 |

Research Background

IFI30 belongs to the GILT family. This family includes the two characterized human gamma-interferon-inducible lysosomal thiol reductase (GILT) sequences: P13284 and Q9UL08. It also contains several other eukaryotic putative proteins with similarity to GILT. The aligned region contains three conserved cysteine residues. Besides, the two GILT sequences possess a C-X(2)-C motif that is shared by some of the other sequences in the family. This motif is thought to be associated with disulfide bond reduction. IFI30 is a lysosomal thiol reductase that can reduce protein disulfide bonds. It facilitates the generation of MHC class II-restricted epitopes from disulfide bond-containing antigens by the endocytic reduction of disulfide bonds. It also facilitates MHC class I-restricted recognition of exogenous antigens containing disulfide bonds by CD8+ T-cells or cross-presentation. IFI30 may facilitate the complete unfolding of proteins destined for lysosomal degradation and plays an important role in antigen processing.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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