

Rabbit anti-Human IFI30 Monoclonal Antibody | anti-IFI30 antibody

Recombinant Anti-IFI30 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255598	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

IFI30; Monoclonal Antibody; Recombinant Anti-IFI30 Antibody; Rabbit Monoclonal; IFI30 Antibody; Rabbit MAb; interferon gamma inducible protein 30; Anti-GILT Antibody; Anti-IFI-30 Antibody; Anti-IFI30 Antibody; Anti-IP-30 Antibody; Anti-IP30 Antibody; anti-IFI30 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	003
Specificity	Human IFI30
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IFI30 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human IFI30 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human IFI30 (rh IFI30).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

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 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human IFI30 in human lung with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human IFI30 in human tonsil with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IFI30 antibody	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.
References	Haque MA, et al. (2002) Absence of gamma-Interferon-inducible Lysosomal Thiol Reductase in Melanomas Disrupts T Cell Recognition of Select Immunodominant Epitopes. J Exp Med. 195(10):1267-77.Phan UT, et al. (2000) Gamma-interferon-inducible lysosomal thiol reductase (GILT). Maturation, activity, and mechanism of action. J Biol Chem. 275(34):25907-14.Phan UT, et al. (2001) Multiple species express thiol oxidoreductases related to GILT. Immunogenetics. 53(4):342-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29150261
NCBI GeneID	10437
NCBI Accession #	NP_006323.2
NCBI GenBank Nucleotide #	NM_006332.4
UniProt Accession #	P13284; Q76MF9; Q8NEI4; Q8WU77; Q9UL08
Molecular Weight	27,964 Da
NCBI Official Full Name	gamma-interferon-inducible lysosomal thiol reductase preproprotein
NCBI Official Synonym Full Names	interferon, gamma-inducible protein 30
NCBI Official Symbol	IFI30
NCBI Official Synonym Symbols	GILT; IP30; IP-30; IFI-30
NCBI Protein Information	gamma-interferon-inducible lysosomal thiol reductase; gamma-interferon-inducible protein IP-30; interferon gamma-inducible protein 30 preproprotein; legumaturain
UniProt Protein Name	Gamma-interferon-inducible lysosomal thiol reductase
UniProt Gene Name	IFI30
UniProt Synonym Gene Names	GILT; IP30
UniProt Entry Name	GILT_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.