

Rabbit IFI30 Polyclonal Antibody | anti-IFI30 antibody

Anti-IFI30 Antibody Picoband

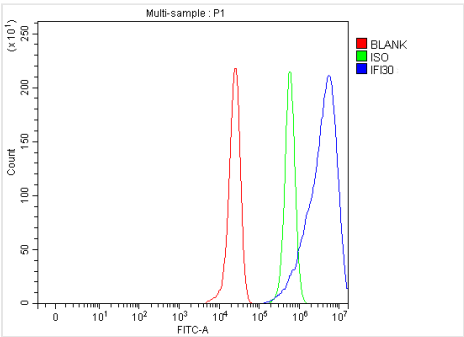
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127324	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

IFI30; Polyclonal Antibody; Anti-IFI30 Antibody Picoband; anti-IFI30 antibody

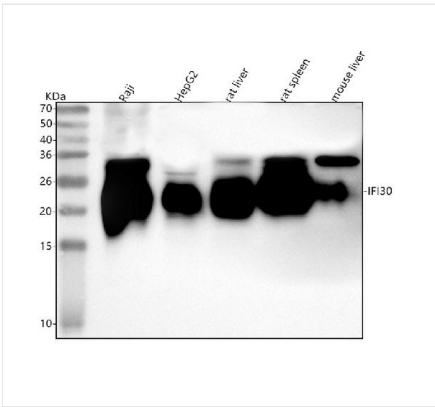
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-IFI30 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human IFI30 recombinant protein (Position: S27-K250). Human IFI30 shares 66.3% and 68.8% amino acid (aa) sequence identity with mouse and rat IFI30, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-IFI30 antibody (AAA127324).Overlay histogram showing HepG2 cells stained with AAA127324 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-IFI30 Antibody (AAA127324, 1ug/1x10⁶ 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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of IFI30 using anti-IFI30 antibody (AAA127324).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Raji whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: rat liver tissue lysates,Lane 4: rat spleen tissue lysates,Lane 5: mouse liver tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IFI30 antigen affinity purified polyclonal antibody (#AAA127324) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IFI30 at approximately 23 kDa. The expected band size for IFI30 is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-IFI30 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-IFI30 antibody	Primary Antibodies
References	1. Arunachalam, B., Phan, U. T., Geuze, H. J., Cresswell, P. Enzymatic reduction of disulfide bonds in lysosomes: characterization of a gamma-interferon-inducible lysosomal thiol reductase (GILT). Proc. Nat. Acad. Sci. 97: 745-750, 2000. 2. Maric, M., Arunachalam, B., Phan, U. T., Dong, C., Garrett, W. S., Cannon, K. S., Alfonso, C., Karlsson, L., Flavell, R. A., Cressell, P. Defective antigen processing in GILT-free mice. Science 294: 1361-1365, 2001.3. Phan, U. T., Arunachalam, B., Cresswell, P. Gamma-interferon-inducible lysosomal thiol reductase (GILT): maturation, activity, and mechanism of action. J. Biol. Chem. 275: 25907-25914, 2000.

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ifi30-antibody-flow-cytometry-western-blot-elisa/127324>