

Datasheet for ABIN7602781
anti-IFI30 antibody (C-Term)



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Overview

Quantity:	100 µg
Target:	IFI30
Binding Specificity:	C-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFI30 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Anti-GILT/IFI30 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse GILT/IFI30, which shares 84.2% and 89.5% amino acid (aa) sequence identity with human and rat GILT/IFI30, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GILT/IFI30 Antibody Picoband® (ABIN7602781). Tested in Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Mouse, Rat. 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

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: IFI30

Alternative Name: Ifi30 ([IFI30 Products](#))

Background: Synonyms: Protein phosphatase 1 regulatory subunit 14A, 17 kDa PKC-potentiating inhibitory protein of PP1, Protein kinase C-potentiating inhibitor protein of 17 kDa, CPI-17, PPP1R14A, CPI17, PPP1INL,
Tissue Specificity: Isoform 1 is detected in aorta and testis. Isoform 2 is detected in aorta. .
Background: Gamma-interferon-inducible lysosomal thiol reductase is an enzyme that, in humans, is encoded by the IFI30 gene. The protein encoded by this gene is a lysosomal thiol reductase that at low pH can reduce protein disulfide bonds. The enzyme is expressed constitutively in antigen-presenting cells and induced by gamma-interferon in other cell types. This enzyme has an important role in MHC class II-restricted antigen processing.

Molecular Weight: 28 kDa

Gene ID: 65972

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Mouse
Immunohistochemistry (Paraffin-embedded Section), 1-2 µg/mL, Mouse, Rat
Immunofluorescence, 5 µg/mL, Mouse, Rat
Flow Cytometry(Fixed), 1-3 µg/1x10⁶ cells, Mouse
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.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.