Datasheet for ABIN7601299

anti-IFI30 antibody (AA 32-248)

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Overview

Quantity:	100 µg
Target:	IFI30
Binding Specificity:	AA 32-248
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFI30 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GILT/IFI30 Antibody Picoband®
Immunogen:	E.coli-derived mouse GILT/IFI30 recombinant protein (Position: A32-K248).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-GILT/IFI30 Antibody Picoband® (ABIN7601299). Tested in ELISA, Flow Cytometry, 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 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-potentiated inhibitory protein of PP1,Protein kinase C-potentiated 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:	25 kDa
Gene ID:	65972

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse ELISA, 0.1-0.5 µg/mL, - 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

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.01 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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.