Datasheet for ABIN7599732

anti-GBF1 antibody (AA 110-1600)

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Overview

Quantity:	100 µg
Target:	GBF1
Binding Specificity:	AA 110-1600
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-GBF1 Antibody Picoband®
Immunogen:	E.coli-derived human GBF1 recombinant protein (Position: E110-K1600).
Characteristics:	Anti-GBF1 Antibody Picoband® (ABIN7599732). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, 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:	GBF1
Alternative Name:	GBF1 (GBF1 Products)
Background:	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 is a protein that in humans is encoded by the GBF1 gene. This gene encodes a member of the Sec7 domain family. The encoded protein is a guanine nucleotide exchange factor that regulates the recruitment of proteins to membranes by mediating GDP to GTP exchange. The encoded protein is localized to the Golgi apparatus and plays a role in vesicular trafficking by activating ADP ribosylation factor 1. The encoded protein has also been identified as an important host factor for viral replication. Multiple transcript variants have been observed for this gene.
Molecular Weight:	250 kDa
Gene ID:	8729
UniProt:	Q92538

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Mansour, S. J., Herbrick, J.-A., Scherer, S. W., Melancon, P. Human GBF1 is a ubiquitously expressed gene of the Sec7 domain family mapping to 10q24. Genomics 54: 323-327, 1998. 2. Mendoza-Ferreira, N., Karakaya, M., Cengiz, N., Beijer, D., Brigatti, K. W., Gonzaga-Jauregui, C., Fuhrmann, N., Holker, I., Thelen, M. P., Zetzsche, S., Rombo, R., Puffenberger, E. G., and 9 others. De novo and inherited variants in GBF1 are associated with axonal neuropathy caused by golgi fragmentation. Am. J. Hum. Genet. 107: 763-777, 2020. 3. Nagase, T., Seki, N., Ishikawa, K., Ohira, M., Kawarabayasi, Y., Ohara, O., Tanaka, A., Kotani, H., Miyajima, N., Nomura, N. Prediction of the coding sequences of unidentified human genes. VI. The coding sequences of 80 new genes (KIAA0201-KIAA0280) deduced by analysis of cDNA clones from cell line KG-1 and brain. DNA Res. 3: 321-329, 1996.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 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, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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 freezing and thawing.