

Rabbit anti-Human GBF1 Polyclonal Antibody | anti-GBF1 antibody

GBF1 Antibody

CATALOG # AAA231218	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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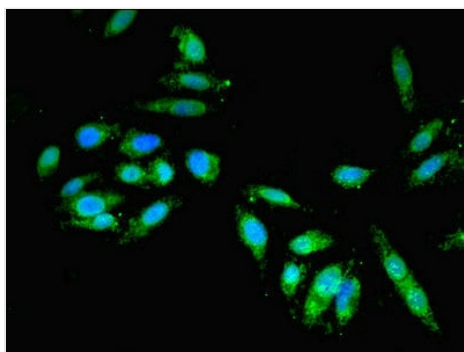
PRODUCT SYNONYMS

GBF1; Polyclonal Antibody; GBF1 Antibody; Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1; BFA-resistant GEF 1; KIAA0248; anti-GBF1 antibody

PRODUCT SPECIFICATIONS

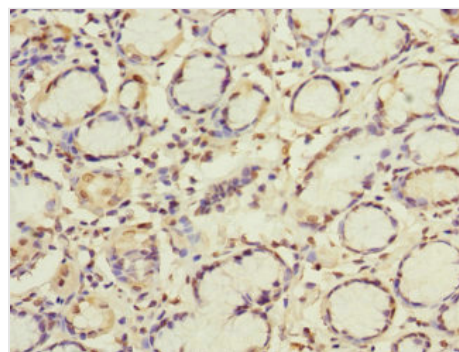
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	1856
Applicable Applications for anti-GBF1 antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 protein (N-85AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27938 / sc-27940
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



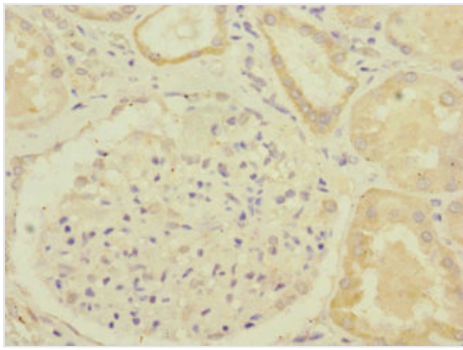
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA231218 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human gastric cancer AAA231218 at dilution 1:100



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded human kidney tissue AAA231218 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-GBF1 antibody	Guanine-nucleotide exchange factor (GEF) for members of the Arf family of small GTPases involved in trafficking in the early secretory pathway; its GEF activity initiates the coating of nascent vesicles via the localized generation of activated ARFs through replacement of GDP with GTP. Recruitment to cis-Golgi membranes requires membrane association of Arf-GDP and can be regulated by ARF1, ARF3, ARF4 and ARF5. Involved in the recruitment of the COPI coat complex to the endoplasmic reticulum exit sites (ERES), and the endoplasmic reticulum-Golgi intermediate (ERGIC) and cis-Golgi compartments which implicates ARF1 activation. Involved in COPI vesicle-dependent retrograde transport from the ERGIC and cis-Golgi compartments to the endoplasmic reticulum (ER) (PubMed:16926190, PubMed:17956946, PubMed:18003980, PubMed:12047556, PubMed:12808027, PubMed:19039328, PubMed:24213530). Involved in the trans-Golgi network recruitment of GGA1, GGA2, GGA3, BIG1, BIG2, and the AP-1 adaptor protein complex related to clathrin-dependent transport; the function requires its GEF activity (probably at least in part on ARF4 and ARF5) (PubMed:23386609). Has GEF activity towards ARF1 (PubMed:15616190). Has in vitro GEF activity towards ARF5 (By similarity). Involved in the processing of PSAP (PubMed:17666033). Required for the assembly of the Golgi apparatus (PubMed:12808027, PubMed:18003980). The AMPK-phosphorylated form is involved in Golgi disassembly during mitosis and under stress conditions (PubMed:18063581, PubMed:23418352). May be involved in the COPI vesicle-dependent recruitment of PNPLA2 to lipid droplets; however, this function is under debate (PubMed:19461073, PubMed:22185782). In neutrophils, involved in G protein-coupled receptor (GPCR)-mediated chemotaxis and superoxide production. Proposed to be recruited by phosphatidylinositol-phosphates generated upon GPCR stimulation to the leading edge where it recruits and activates ARF1, and is involved in recruitment of GIT2 and the NADPH oxidase complex (PubMed:22573891).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313747582
NCBI GeneID	8729
NCBI Accession #	NP_001186307.1
NCBI GenBank Nucleotide #	NM_001199378.1
UniProt Accession #	Q92538; Q149P0; Q149P1; Q5VXX3; Q96CK6; Q96HZ3; Q9H473
Molecular Weight	206,016 Da
NCBI Official Full Name	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1 isoform 2
NCBI Official Synonym Full Names	golgi brefeldin A resistant guanine nucleotide exchange factor 1
NCBI Official Symbol	GBF1
NCBI Official Synonym Symbols	ARF1GEF
NCBI Protein Information	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1
UniProt Protein Name	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1
UniProt Gene Name	GBF1

UniProt Synonym Gene Names	KIAA0248; BFA-resistant GEF 1
UniProt Entry Name	GBF1_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://stage.aaabiotech.com/polyclonal/gbf1-antibody-immunohistochemistry-elisa/231218>