



Rabbit Anti-GBF1 antibody

SL11266R

Product Name:	GBF1
Chinese Name:	蛋白转运抑制剂GBF1抗体
Alias:	ARF1GEF; BFA resistant GEF 1; BFA-resistant GEF 1; FLJ21263; FLJ21500; GBF1; GBF1_HUMAN; Golgi specific brefeldin A resistance factor 1; Golgi specific Brefeldin A-resistance factor; Golgi-specific brefeldin A-resistance guanine nucleotide exchange; Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1; KIAA0248; MGC134877; MGC134878.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	206kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Brefeldin A:181-280/1859
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Protein trafficking to the membrane requires formation of coated carrier vesicles, such as COPI-coated vesicles from the cis-golgi, a process triggered by membrane binding of the GTP-bound form of ADP-ribosylation factors. Normally, brefeldin A (BFA) blocks this action by inhibiting guanine nucleotide exchange factors (GEFs) for ADP-

ribosylation factor. However, GBF1, a member of the sec7-domain family of GEFs, allows cells to maintain normal golgi morphology and grow in the presence of BFA. The gene encoding the human GBF1 protein maps to chromosome 10q24, with the sec7-domain centrally positioned, and a proline-rich C-terminus. Based on mutagenesis analysis, this proline rich region appears to interact with p115 in a functionally significant manner.

Function:

Promotes guanine-nucleotide exchange on ARF5. Promotes the activation of ARF5 through replacement of GDP with GTP.

Tissue Specificity:

Ubiquitous.

Similarity:

Contains 1 SEC7 domain.

SWISS:

Q92538

Gene ID:

8729

Database links:

[Entrez Gene: 8729](#) Human

[Entrez Gene: 107338](#) Mouse

[Omim: 603698](#) Human

[SwissProt: Q92538](#) Human

[Unigene: 290243](#) Human

[Unigene: 271620](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.