Anti-GBP1 antibody

Description	Rabbit polyclonal to GBP1.

Model	STJ93232
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, WB
Immunogen	Synthesized peptide derived from human GBP1
Immunogen Region	40-120 aa, Internal
Gene ID	2633
Gene Symbol	GBP1
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:40000
Specificity	GBP1 Polyclonal Antibody detects endogenous levels of GBP1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Guanylate-binding protein 1 GTP-binding protein 1 GBP-1 HuGBP-1 Guanine nucleotide-binding protein 1 Interferon-induced guanylate-binding protein 1
Molecular Weight	68 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4182OMIM:600411
Alternative Names	Guanylate-binding protein 1 GTP-binding protein 1 GBP-1 HuGBP-1 Guanine nucleotide-binding protein 1 Interferon-induced guanylate-binding protein 1
Function	Hydrolyzes GTP to GMP in 2 consecutive cleavage reactions. Exhibits antiviral activity against influenza virus. Promote oxidative killing and deliver antimicrobial peptides to autophagolysosomes, providing broad host protection against different pathogen classes.
Cellular Localization	Cytoplasm Golgi apparatus membrane. Lipid-anchor Secreted. Secreted from endothelial cells in the cerebrospinal fluid, upon bacterial challenge and independently of IFNG induction. Golgi membrane localization requires isoprenylation and the presence of another IFNG-induced factor.
Post-translational Modifications	Isoprenylation is required for proper subcellular location.