



GBP1 Polyclonal Antibody

Catalog No	YP-Ab-16159
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IF;ELISA
Gene Name	GBP1
Immunogen	The antiserum was produced against synthesized peptide derived from human GBP1. AA range:71-120
Specificity	GBP1 Polyclonal Antibody detects endogenous levels of GBP1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Guanylate-binding protein 1;Guanine nucleotide-binding protein 1;GTP-binding protein 1;GBP-1;GBP 1;GBP1;Interferon-induced guanylate-binding protein 1; HuGBP-1
Observed Band	68kD
Calculated Molecular Weight	68kD
Cell Pathway	Cytoplasm . Golgi apparatus membrane; Lipid-anchor ; Cytoplasmic side. Cell membrane . Secreted . Cytoplasmic vesicle . 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.
Tissue Specificity	Placenta,Spleen,Uterus,
Function	function:Binds GTP, GDP and GMP.,induction:By interferon gamma during macrophage activation.,similarity:Belongs to the GBP family.,
Background	Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding



proteins by the presence of 2 binding motifs rather than 3. [provided by RefSeq, Jul 2008],

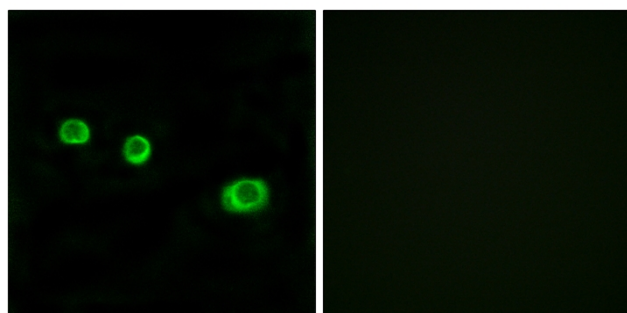
matters needing attention

Avoid repeated freezing and thawing!

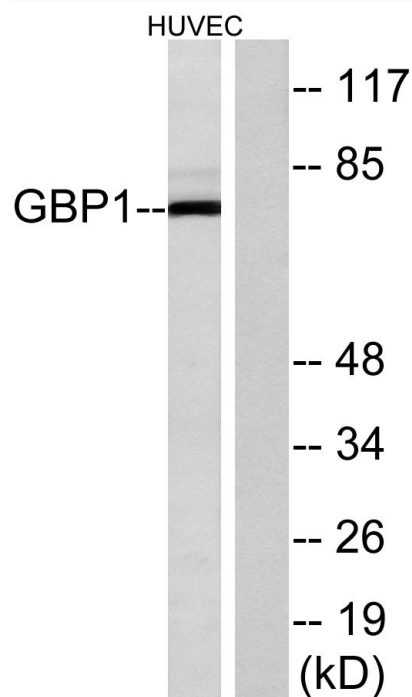
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of MCF7 cells, using GBP1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using GBP1 Antibody. The lane on the right is blocked with the synthesized peptide.