

GBP4 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53300**Specification**

GBP4 Antibody - Product Information

Application	WB
Primary Accession	Q96PP9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73 KDa
Antigen Region	556-595aa

GBP4 Antibody - Additional Information**Gene ID** 115361**Other Names**

Guanylate-binding protein 4, GTP-binding protein 4, GBP-4, Guanine nucleotide-binding protein 4, GBP4

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human GBP4. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

GBP4 Antibody - Protein Information**Name** GBP4 {ECO:0000303|Ref.1, ECO:0000312|HGNC:HGNC:20480}**Function**

Interferon (IFN)-inducible GTPase that plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens (By similarity). Negatively regulates the antiviral response by inhibiting activation of IRF7 transcription factor (By similarity).

Cellular Location

Golgi apparatus membrane. Cytoplasm Nucleus. Cytoplasm, perinuclear region.

Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated

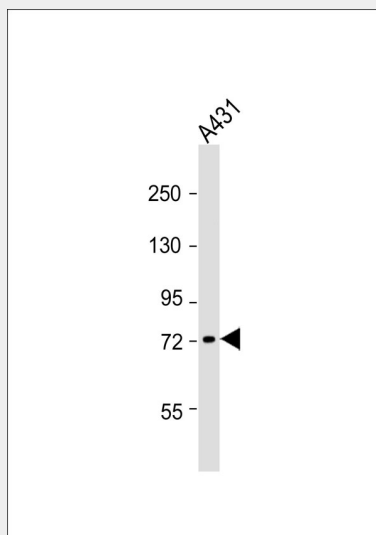
GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

GBP4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GBP4 Antibody - Images



Anti-GBP4 Antibody at 1:1000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

GBP4 Antibody - Background

Binds GTP, GDP and GMP. Hydrolyzes GTP very efficiently; GDP rather than GMP is the major reaction product. Plays a role in erythroid differentiation (By similarity).

GBP4 Antibody - References

- Avdalovic A., et al. Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Jikuya H., et al. DNA Res. 10:49-57(2003).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Tripal P., et al. J. Interferon Cytokine Res. 27:44-52(2007).