

GBP4 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17973C**Specification**

GBP4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O96PP9
Other Accession	NP_443173.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	73165
Antigen Region	370-396

GBP4 Antibody (Center) - 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

This GBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 370-396 amino acids from the Central region of human GBP4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GBP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GBP4 Antibody (Center) - 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.

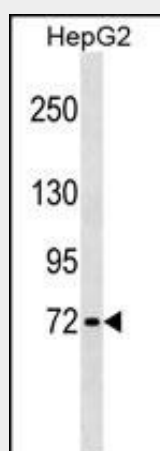
Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

GBP4 Antibody (Center) - 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 (Center) - Images



GBP4 Antibody (Center) (Cat. #AP17973c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the GBP4 antibody detected the GBP4 protein (arrow).

GBP4 Antibody (Center) - Background

Guanylate-binding proteins, such as GBP4, are induced by interferon and hydrolyze GTP to both GDP and GMP (Vestal, 2005 [PubMed 16108726]).

GBP4 Antibody (Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Olszewski, M.A., et al. J. Interferon Cytokine Res. 26(5):328-352(2006)
Vestal, D.J. J. Interferon Cytokine Res. 25(8):435-443(2005)

Han, B.H., et al. Biochim. Biophys. Acta 1384(2):373-386(1998)