

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

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**GBP4 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O96PP9</a>
Other Accession	<a href="#">NP_443173.2</a>
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

**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.

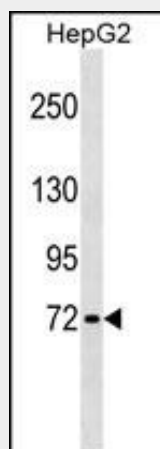
Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

#### 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)