

**GBP4 Polyclonal Antibody**  
**Catalog # AP70052****Specification**

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**GBP4 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">Q96PP9</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

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

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**GBP4 Polyclonal 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.

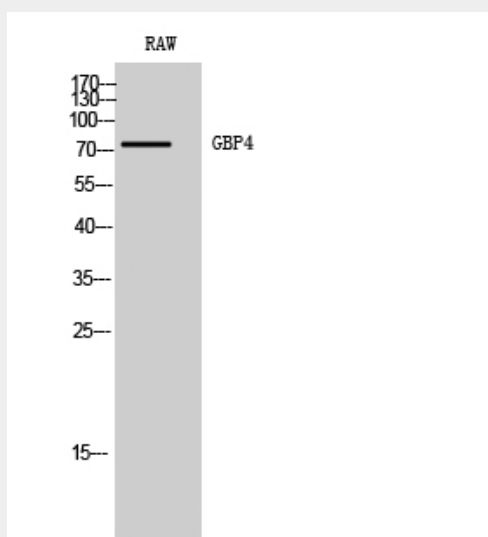
Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

**GBP4 Polyclonal Antibody - Protocols**

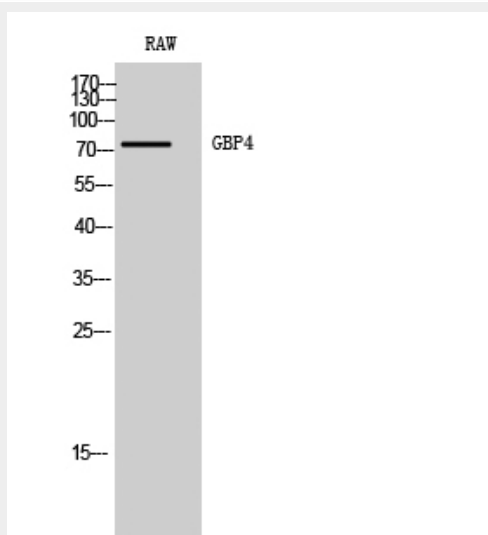
Provided below are standard protocols that you may find useful for product applications.

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

#### **GBP4 Polyclonal Antibody - Images**



Western Blot analysis of RAW cells using GBP4 Polyclonal Antibody



Western Blot analysis of RAW cells using GBP4 Polyclonal Antibody

#### **GBP4 Polyclonal 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).