

## GBP4 Polyclonal Antibody

Catalog # AP70052

### Specification

#### 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.

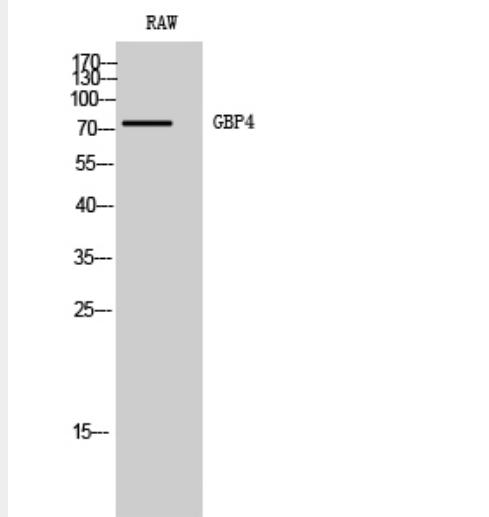
Note=Heterodimers with GBP1, GBP2 and GBP5 localize in the compartment of the prenylated GBPs: with GBP1 in a vesicle-like compartment, with GBP2, around the nucleus and with GBP5, at the Golgi apparatus.

#### GBP4 Polyclonal Antibody - Protocols

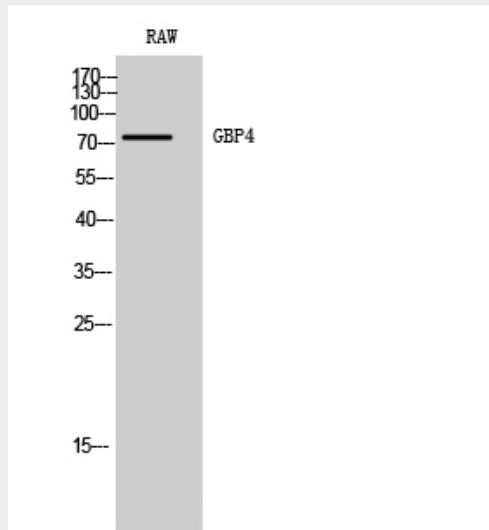
Provided below are standard protocols that you may find useful for product applications.

- [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).