

GBP4 / Mpa2 Antibody (aa551-600)
Rabbit Polyclonal Antibody
Catalog # ALS15500**Specification**

GBP4 / Mpa2 Antibody (aa551-600) - Product Information

Application	IHC
Primary Accession	Q96PP9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73kDa KDa

GBP4 / Mpa2 Antibody (aa551-600) - 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

GBP4 Antibody detects endogenous levels of total GBP4 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

GBP4 / Mpa2 Antibody (aa551-600) is for research use only and not for use in diagnostic or therapeutic procedures.

GBP4 / Mpa2 Antibody (aa551-600) - 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.

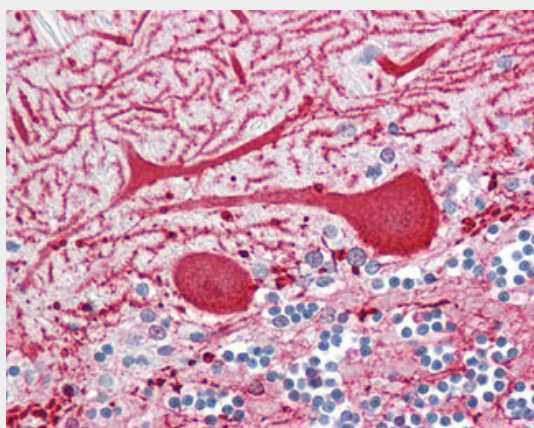
Volume

50 µl

GBP4 / Mpa2 Antibody (aa551-600) - 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 / Mpa2 Antibody (aa551-600) - Images

Anti-GBP4 / Mpa2 antibody IHC of human brain, cerebellum.

GBP4 / Mpa2 Antibody (aa551-600) - 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 / Mpa2 Antibody (aa551-600) - 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).