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GBP4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53300

Product Information

Application	WB
Primary Accession	Q96PP9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73165

Additional Information

Gene ID	115361
Other Names	Guanylate-binding protein 4, GTP-binding protein 4, GBP-4, Guanine nucleotide-binding protein 4, GBP4
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

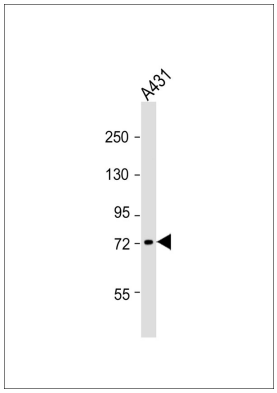
Background

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).

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).

Images



Anti-GBP4 Antibody at 1:1000 dilution + A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5% NFDM/TBST.