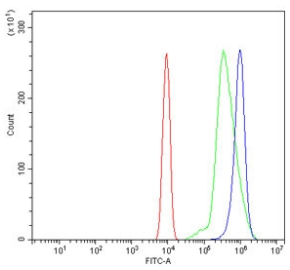
Gbp2 Antibody / Guanylate-binding protein 2 (RQ6553)

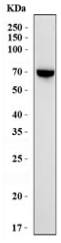
Catalog No.	Formulation	Size
RQ6553	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Z0E6
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Gbp2 antibody is available for research use only.



Flow cytometry testing of mouse ANA-1 cells with Gbp2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Gbp2 antibody.



Western blot testing of mouse lung tissue lysate with Gbp2 antibody. Predicted molecular weight ~67 kDa.

Description

Interferon-induced guanylate-binding protein 2 is a protein that in humans is encoded by the GBP2 gene. This gene belongs to the guanine-binding protein (GBP) family, which includes interferon-induced proteins that can bind to guanine nucleotides (GMP, GDP and GTP). The encoded protein is a GTPase which hydrolyzes GTP, predominantly to GDP. The protein may play a role as a marker of squamous cell carcinomas.

For an overview of GBP2 biology and its role as an interferon induced GTPase regulating innate immunity, antimicrobial defense and inflammatory signaling, visit our GBP2 Antibody / Interferon Induced GTPase Antibody page.

Application Notes

Optimal dilution of the Gbp2 antibody should be determined by the researcher.

Immunogen

An E. coli-derived mouse protein (amino acids R181-L589) was used as the immunogen for the Gbp2 antibody.

Storage

After reconstitution, the Gbp2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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