BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Guanylate-binding protein 6 GBP6 Antibody

Catalog Number: A13012

About GBP6

The guanylate-binding proteins (GBPs), a family of interferon-induced GTP-binding proteins function in innate immunity against microbial and viral pathogens. In humans, there are seven GBPs from hGBP1 to hGBP7. Human GBP1 and GBP2 have been shown to exhibit antiviral activity as well as being able to regulate the inhibition of proliferation and invasion of endothelial cells in response to interferon (IFN) (1,3). GBP6 is induced by IFN and hydrolyzes GTP to both GDP and GMP. The precise function of GBP6 is still under investigation.

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Overview

Product Name	Anti-Guanylate-binding protein 6 GBP6 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Guanylate-binding protein 6 GBP6 Antibody (Catalog # A13012). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	GBP6 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6ZN66

Technical Details

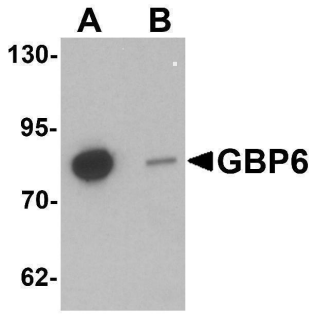
Immunogen	GBP6 antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human GBP6. The immunogen is located within the last 50 amino acids of GBP6.
Predicted Reactive Species	Bovine
Cross Reactivity	GBP6 antibody is predicted to not cross-react with other GBP family members.

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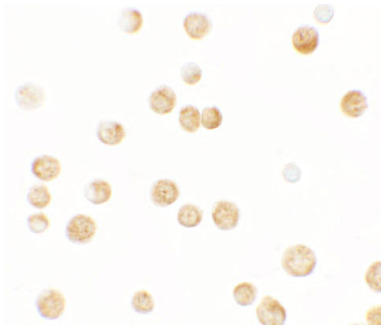
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GBP6 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GBP6 antibody can be used for detection of GBP6 by Western blot at 0.5 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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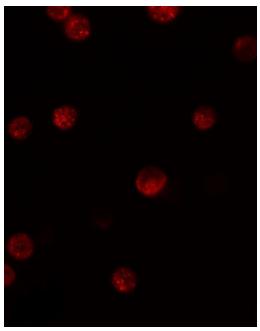
Anti-Guanylate-binding protein 6 GBP6 Antibody (A13012) Images



Western blot analysis of GBP6 in Hela cell lysate with GBP6 antibody at 0.5 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of GBP6 in HeLa cells with GBP6 antibody at 2.5 ug/mL.



Immunofluorescence of GBP6 in HeLa cells with GBP6 antibody at 5 ug/mL.

Anti-Guanylate-binding protein 6 GBP6 Antibody

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