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Datasheet for 600-401-BK0

GBP6 Antibody

Overview

Description:	Anti-GBP6 (RABBIT) Antibody - 600-401-BK0
Item No.:	600-401-BK0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	GBP6 Antibody, Guanylate-binding protein 6, GTP-binding protein 6, GBP-6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	GBP6
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GBP6 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide near the C-terminus of human GBP6.
Purity/Specificity:	Anti-GBP6 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. GBP6 antibody is predicted to not cross-react with other GBP family members.

Relevant Links:	• UniProtKB - Q6ZN66 • GeneID - 163351 • NCBI - NP_940862

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-GBP6 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 72 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IF:	5 µg/mL
WB:	0.5 µg/mL

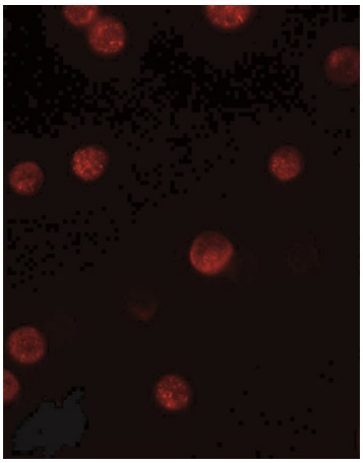
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

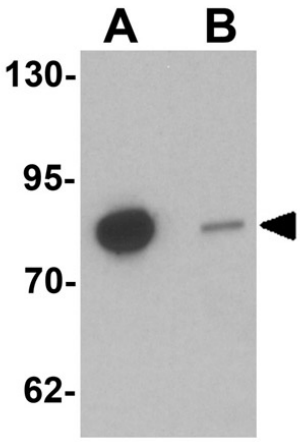
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

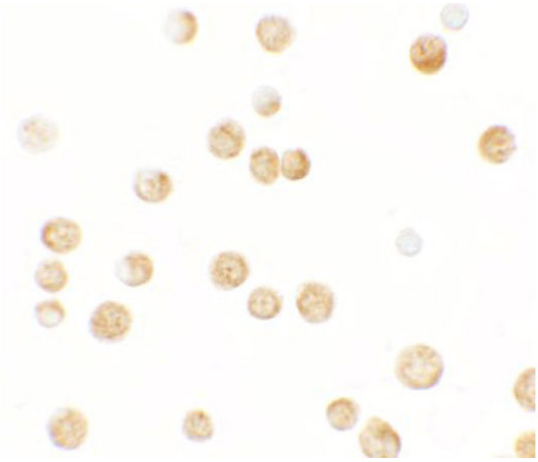
Images



Immunofluorescence Microscopy
Immunofluorescence results of GBP6 in HeLa cells with Anti-GBP6 antibody at 5µg/mL.



Western Blot
Western blot results of Anti-GBP6 antibody. Lane A: Hela cell lysate. Lane B: Hela cell lysate in the presence of blocking peptide. Primary Antibody: Anti-GBP6 at 0.5 µg/mL.



Immunocytochemistry
Immunocytochemistry results of GBP6 in HeLa cells with Anti-GBP6 antibody at 2.5 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.