

Datasheet for 600-401-BU1**IKK gamma Antibody****Overview**

Description:	Anti-IKK gamma (RABBIT) Antibody - 600-401-BU1
Item No.:	600-401-BU1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Nuclear factor kappa B (NF-κB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-κB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-κB is associated with IκB proteins in the cell cytoplasm, which inhibit NF-κB activity. The IκB kinase (IKKα and IKKβ) phosphorylates IκB and mediates NF-κB activation. A novel molecule in the IKK complex was recently identified and termed IKKgamma/NEMO/FIP3/IKKAP1. IKKgamma interacts with IKKβ and is required for the activation of IKK complex and NF-κB by LPS, PMA, TNF, and IL-1 stimulation. FIP3 was also shown to bind to RIP and NIK and to mediate TNF-induced NF-κB activation.
Synonyms:	IKK gamma Antibody, IP, IP1, IP2, FIP3, IPD2, NEMO, FIP-3, Fip3p, AMCBX1, ZC2HC9, IKK-gamma, NF-kappa-B essential modulator
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IKBKG
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-IKK gamma antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human IKK gamma.
Purity/Specificity:	Anti-IKK gamma Antibody is DEAE purified. IKK gamma has no cross response to IKK alpha or IKK beta.
Relevant Links:	• UniProtKB - Q9Y6K9 • GeneID - 8517 • NCBI - AF074382

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-IKK gamma Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 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:	1:10,000
WB:	1 µg/mL

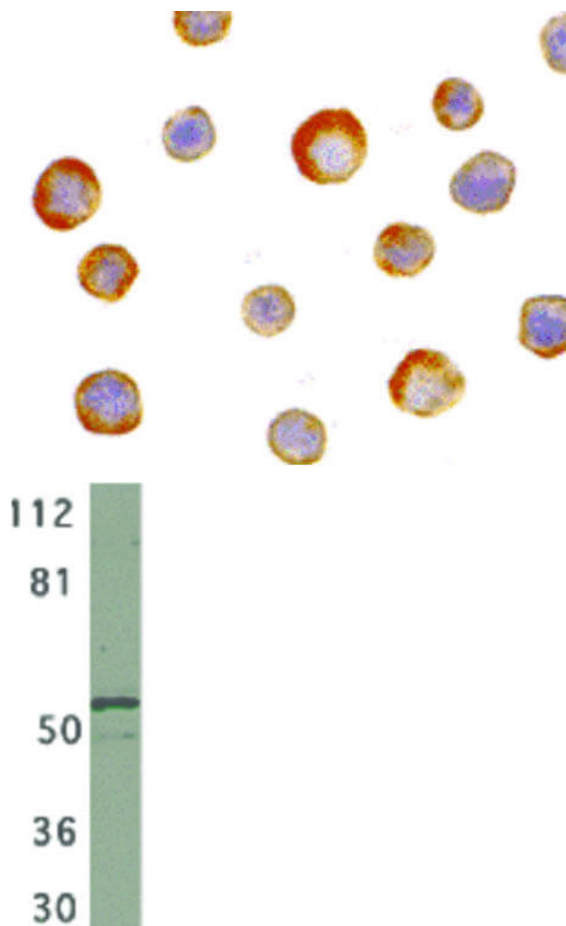
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/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:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunocytochemistry

Immunocytochemistry of IKK gamma antibody. Cells: HeLa cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: IKK gamma antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: IKK gamma is nuclear and cytoplasmic. Staining: IKK gamma as precipitated brown signal with hematoxylin blue nuclear counterstain.

Western Blot

Western Blot of IKK gamma antibody. Lane 1: HeLa whole cell lysate. Load: 35 µg per lane. Primary antibody: IKK gamma antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 48.2 kDa, 55 kDa for IKK gamma.

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.