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Datasheet for 200-401-DB3

NIK Antibody

Overview

Description:	Anti-NIK (RABBIT) Antibody - 200-401-DB3
Item No.:	200-401-DB3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Nuclear factor kappa B (NF-kB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kB mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNFa, LPS and mitogens. A serine/threonine protein kinase which mediates NF-kB activation by IL-1, TNFa and CD95 was identified recently and designated NIK (for NF-kB inducing kinase). NIK is an activator of IkB kinase alpha and beta (IKKa and IKKb). Therefore, NIK is a key molecule in the NF-kB signaling pathway leading to the induction of a variety of gene expression in response to proinflammatory cytokines and bacteria products.
Synonyms:	NIK Antibody, HS, NIK, HSNIK, FTDCR1B, Mitogen-activated protein kinase kinase kinase 14, NF-kappa-beta-inducing kinase, HsNIK
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MAP3K14
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NIK antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human NIK.

Purity/Specificity:	Anti-NIK Antibody is affinity chromatography purified via peptide column. Cross reactivity with NIK from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99558 • GeneID - 9020 • NCBI - Q99558

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NIK Antibody has been tested for use in ELISA, immunocytochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 104 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:	User Optimized

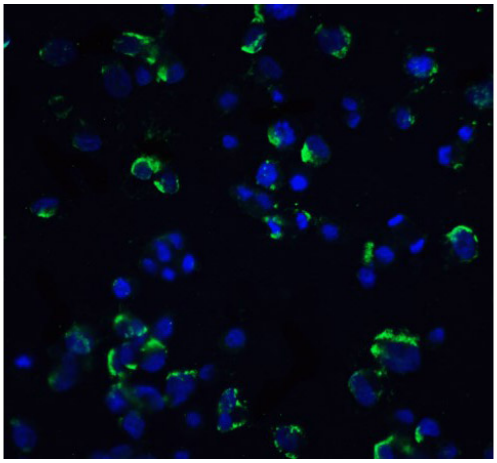
Formulation

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

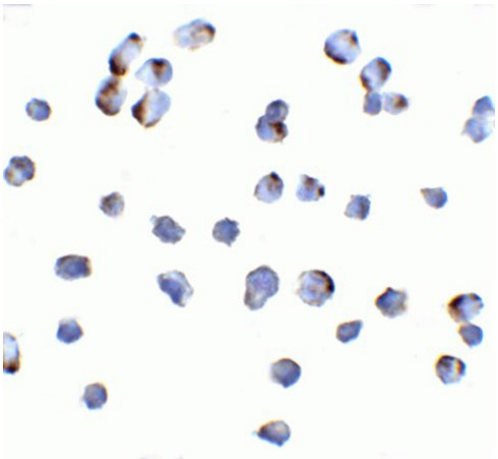
Shipping & Handling

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



Immunofluorescence Microscopy
Immunofluorescence of NIK.
Cells: Hek293 cells.
Primary: Anti-NIK antibody at 20 µg/mL.
Staining: NIK Antibody (green), DAPI (blue).



Immunocytochemistry
Immunocytochemistry of NIK.
Cells: Hek293 cells.
Primary: Anti-NIK antibody at 10 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.