

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-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 including IL-1, TNFα, LPS and mitogens. A serine/threonine protein kinase which mediates NF-κB activation by IL-1, TNFα and CD95 was identified recently and designated NIK (for NF-κB inducing kinase). NIK is an activator of IκB kinase alpha and beta (IKKα and IKKβ). Therefore, NIK is a key molecule in the NF-κB 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

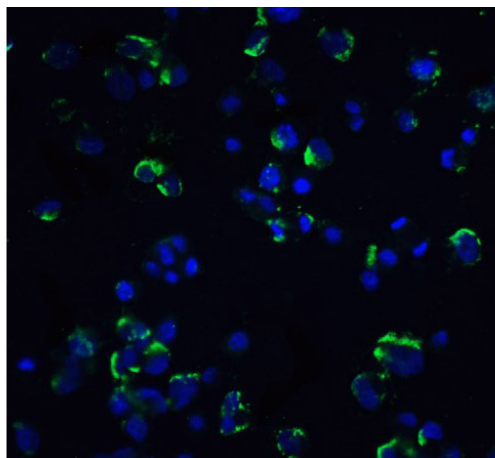
Formulation

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



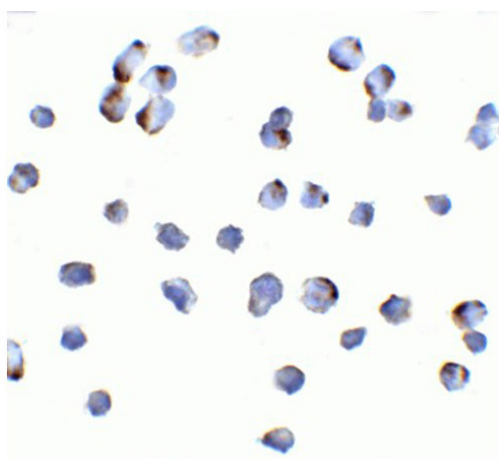
Immunofluorescence Microscopy

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

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