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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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NIK (CT). Rabbit Polyclonal Antibody

BACKGROUND

Nuclear factor kappa B (NF κ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF κ B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF alpha LPS and mitogens. A serine/threonine protein kinase which mediates NFkappa; B activation by IL-1, TNF alpha; and CD95 was identified recently and designated NIK (for NF kappa;B inducing kinase) . NIK is an activator of I kappa B kinase alpha; and beta; (IKK alpha; and IKK beta;) (2-5). Therefore, NIK is a key molecule in the NF kappa;B signaling pathway leading to the induction of a variety of gene expression in response to proinflammatory cytokines and bacteria products.

IMMUNOGEN

Rabbit polyclonal NIK antibody was raised against a peptide corresponding to amino acids 931 to 947 of human NIK.

POSITIVE CONTROL/TISSUE EXPRESSION

Weakly expressed in testis, small intestine, spleen, thymus, peripheral blood leukocytes, prostate, ovary and colon. Located in the cytoplasm.

COMMENTS

NIK (CT) antibody can be used for detection of NIK by Western blot.

ORDERING INFORMATION

CATALOG NUMBER

X1795P

SIZE

100 μ g

FORM

Unconjugated

HOST/CLONE

Rabbit

FORMULATION

Provided as solution in phosphate buffered saline with 0.02% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG

APPLICATIONS

Western Blot

SPECIES REACTIVITY

Human

ACCESSION NUMBER

Q99558, Human

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

- 1) Malinin NL, Boldin MP, Kovalenko AV, Wallach . MAP3K-related kinase involved in NF-kappa B induction by TNF, CD95 and IL-1. Nature 1997;385:540-544.
- 2) Regnier CH, Song HY, Gao X, Goeddel DV, Cao Z, Rothe M. Identification and characterization of an I kappa;B kinase..Cell 1997;90:373-383.
- 3) Woronicz JD, Gao X, Cao Z, Rothe M, Goeddel DV. I kappa B kinase-beta;: NF-kappa B activation and complex formation with I kappa;B kinase alpha; and NIK. Science 1997;278:866-869
- 4) Ling L, Cao Z, Goeddel D. NF kappa B-inducing kinase activates IKK alpha by phosphorylation of Ser-176. Proc Natl Acad Sci USA 1998;95:3792-3797.