

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NIK/MAP3K14 in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG _{2A} Clone # 603917R
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human NIK/MAP3K14 Glu769-Pro947 Accession # Q99558
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NIK (NF kappa B inducing kinase), also called MAP3K14, is a widely expressed 947 amino acid (aa), ~100 kDa cytoplasmic protein of the MAP kinase family. NIK participates in a non-canonical NFκB signaling cascade in which its activity and expression are elevated by TNF and related ligands. NIK activates IKKα/b, which releases NFκB subunits for translocation to the nucleus. Within the region used as an immunogen, human NIK shares 94% and 95% aa sequence identity with mouse and rat NIK, respectively.

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