

Product datasheet for **TA336951**

NFkB Inducing Kinase NIK (MAP3K14) Rabbit Polyclonal Antibody

Product data:

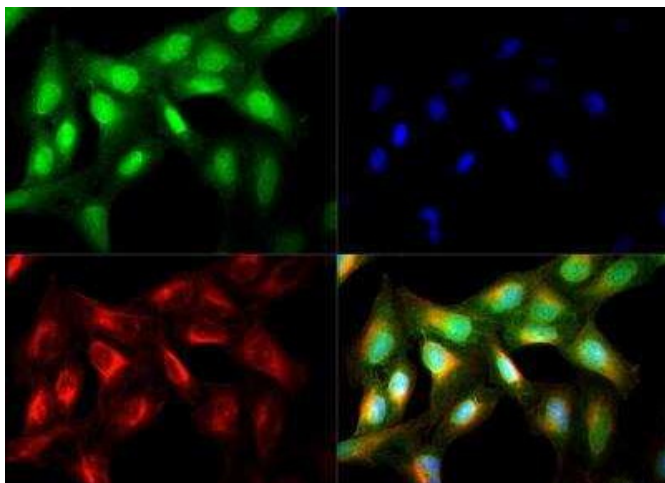
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence: 1:50 - 1:200, Western Blot: 2.0 ug/ml, Immunohistochemistry-Paraffin: 1:400, Immunohistochemistry: 1:400
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to a C-terminal portion of the human MAP3K14 protein (between residues 800-900) [UniProt Q99558]
Formulation:	PBS with 0.09% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mitogen-activated protein kinase kinase kinase 14
Database Link:	NP_003945 Entrez Gene 53859 Mouse Entrez Gene 9020 Human Q99558



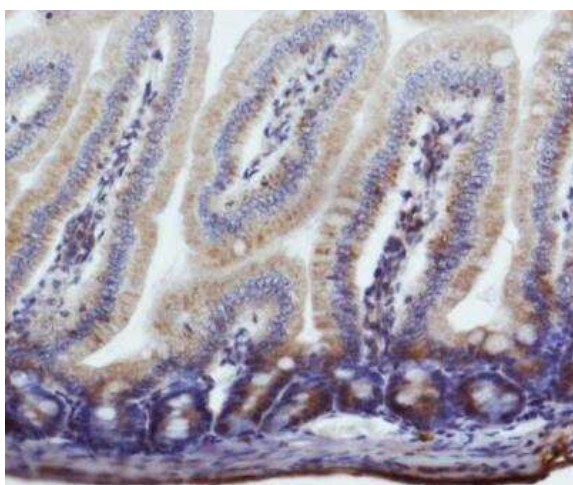
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- Background:** MAP3K14, or NIK (Nuclear Factor- κ B Inducing Kinase) is a serine/threonine protein kinase that activates the canonical and non-canonical NF- κ B pathways to control transcription of proteins such as cytokines, chemokines and NF- κ B signaling molecules. The NF- κ B family of transcription factors is composed of a number of structurally related proteins that modulate an assortment of physiological processes from immune responses to cell death and survival. Regulation of NF- κ B occurs by two distinct pathways; the canonical pathway mediated by the inhibitor of κ B kinase complex, and the non-canonical pathway, involving p100 processing. In the canonical pathway NIK interacts and activates IKK alpha and IKK beta resulting in the release of RelA and p50 for gene transcription. In the non-canonical pathway, MAP3K14 (NIK) phosphorylates p100, resulting in its partial proteolysis to p52, which in turn mediates gene expression (PMID:20685151).
- Synonyms:** FTDCR1B; HS; HSNIK; NIK
- Note:** This MAP3K14 antibody detects a band at ~104 kDa in Western blot. In Immunocytochemistry/Immunofluorescence, cytoplasmic and nuclear staining was observed in U2OS cells. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.
- Protein Families:** Druggable Genome, Protein Kinase
- Protein Pathways:** Apoptosis, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, T cell receptor signaling pathway

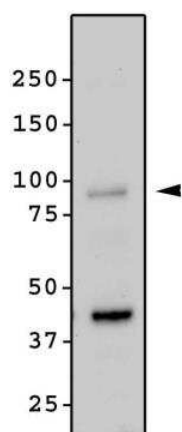
Product images:



Immunocytochemistry/Immunofluorescence: NIK/MAP3K14 Antibody [NBP2-23603] - MAP3K14 antibody was tested in U2OS cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).



Immunohistochemistry: NIK/MAP3K14 Antibody [NBP2-23603] - Analysis of MAP3K14 in mouse small intestine.



Western Blot: NIK/MAP3K14 Antibody [NBP2-23603] - Detection of MAP3K14 in U2OS cell lysate.