Human NIK/MAP3K14 Antibody

Recombinant Monoclonal Mouse IgG_{2A} Clone # 603917R

Catalog Number: MAB6888R

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

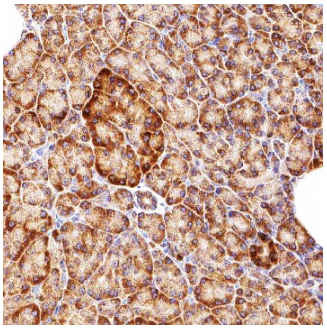
APPLICATIONS

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.*

	Recommended Concentration	Sample
Immunohistochemistry	3-25 µg/mL	immersion fixed paraffin-embedded sections of human pancreas

DATA

Immunohistochemistry



NIK/MAP3K14 in Human Pancreas. NIK/MAP3K14 was detected in immersion fixed paraffin-embedded sections of human pancreas using Mouse Anti-Human NIK/MAP3K14 Recombinant Monoclonal Antibody (Catalog # MAB6888R) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using VisUCyte Antigen Retrieval Reagent-Basic (Catalog # VCTS022). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to plasma membrane in convoluted tubules. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 NFkB signaling cascade in which its activity and expression are elevated by TNF and related ligands. NIK activates IKKa/b, which releases NFkB 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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