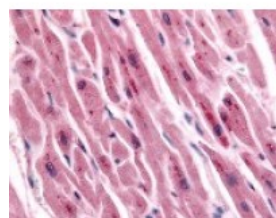




TNIK Antibody

CATALOG NUMBER: 48-331



Immunohistochemistry staining of TNIK in heart tissue using TNIK Antibody.

Specifications

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| SPECIES REACTIVITY: | Gibbon, Gorilla, Human, Monkey |
| TESTED APPLICATIONS: | ELISA, IHC |
| APPLICATIONS: | TNIK antibody can be used in immunohistochemistry starting at 30 ug/mL. |
| USER NOTE: | Optimal dilutions for each application to be determined by the researcher. |
| SPECIFICITY: | BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| IMMUNOGEN: | TNIK antibody was raised against a peptide located near the internal domain of TNIK (Human). |
| HOST SPECIES: | Rabbit |

Properties

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| PURIFICATION: | Immunoaffinity Chromatography |
| PHYSICAL STATE: | Liquid |
| BUFFER: | PBS, 0.1% sodium azide. |
| STORAGE CONDITIONS: | TNIK antibody should be stored long term (months) at -80 °C and short term (days) at 4 °C. As with all antibodies avoid freeze/thaw cycles. |
| CLONALITY: | Polyclonal |
| CONJUGATE: | Unconjugated |

Additional Info

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|-------------------------|---------------------|
| ALTERNATE NAMES: | TNIK, ZC2, KIAA0551 |
| ACCESSION NO.: | Q9UKE5 |
| PROTEIN GI NO.: | 29840818 |
| OFFICIAL SYMBOL: | TNIK |
| GENE ID: | 23043 |

Background

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| BACKGROUND: | TNIK is a MSN protein kinase that interacts with both TNF receptor-associated factor 2 (TRAF2) and the adapter protein NCK. The protein has been shown to activate the c-Jun N-terminal kinase pathway when overexpressed |
|--------------------|---|

in Phoenix-A cells, and this activation is mediated solely by the C-terminal germinal center kinase homology region. TNIK has been shown to phosphorylate gelsolin, the principal intracellular and extracellular actin-severing protein, in vitro. This and evidence from mutational studies suggest that TNIK functions in the regulation of the cytoskeleton. At least eight splice isoforms have been reported.

FOR RESEARCH USE ONLY

December 13, 2016