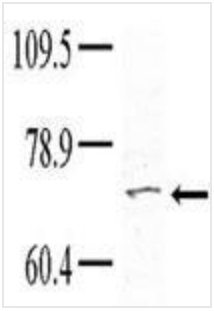
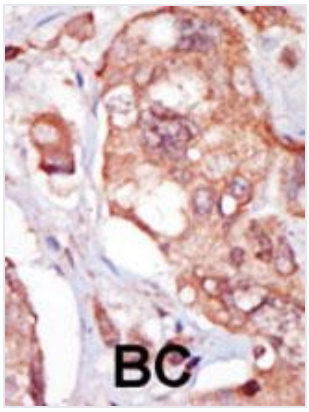
TNK1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNK1, Polyclonal Antibody
Full Product Name	TNK1, ID (Non-receptor Tyrosine-protein Kinase TNK1, CD38 Negative Kinase 1) (FITC)
Product Gene Name	anti-TNK1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human TNK1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	71.926
3D Structure	ModBase 3D Structure for O95364
Immunogen	Synthetic peptide selected from the center region of human TNK1 (KLH).
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TNK1 antibody	Antibodies; Tyrosine Kinases
Applications Tested/Suitable for anti-TNK1 antibody	Western Blot (WB), FLISA
Application Notes for anti-TNK1 antibody	WB: 1:250-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-TNK1 antibody	MBS6502765 is an antibody targeting TNK1. Also known as TNK1, ID (Non-receptor Tyrosine-protein Kinase TNK1, CD38 Negative Kinase 1) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-TNK1 antibody	1. Blume-Jensen P, et al. Nature 2001. 411: 355. 2. Cantrell D, J. Cell Sci. 2001. 114: 1439. 3. Jhiang S Oncogene 2000. 19: 5590. 4. Manning G, et al. Science 2002. 298: 1912. 5. Moller, D, et al. Am. J. Physiol. 1994. 266: C351-C359. 6.Robertson, S. et al. Trends Genet. 2000. 16: 368. 7.Robinson D, et al. Oncogene 2000. 19: 5548. 8.Van der Ven, P, et al. Hum. Molec. Genet. 1993. 2: 1889. 9.Vanhaesebroeck, B, et al. Biochem. J. 2000. 346: 561. 10.Van Weering D, et al. Recent Results Cancer Res. 1998. 154: 271.
Other Notes	Small volumes of anti-TNK1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TNK1 antibody
Western blot analysis of anti-TNK1 pab in Hela cell line lysate. Dilution of anti-TNK1 was 1:100; dilution of secondary antibody (goat anti-rabbit-HRP) was 1:7000. Data and protocol courtesy of Dr. Richard Lu, Partners HealthCare System at Harvard University.



Immunohistochemistry (IHC) of anti-TNK1 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNK1. It may not necessarily be applicable to this product.

NCBI GI #	116242821
NCBI GeneID	8711
UniProt Primary Accession #	O95364
UniProt Related Accession #	Q13470
NCBI Official Full Name	Non-receptor tyrosine-protein kinase TNK1
NCBI Official Synonym Full Names	tyrosine kinase non receptor 1
NCBI Official Symbol	TNK1
Protein Family	Non-receptor tyrosine-protein kinase
NCBI Protein Information	non-receptor tyrosine-protein kinase TNK1
NCBI Summary for TNK1	The protein encoded by this gene belongs to the tyrosine protein kinase family. Tyrosine protein kinases are important regulators of intracellular signal transduction pathways, mediating cellular proliferation, survival, and development. This gene is highly expressed in fetal tissues and at lower levels in few adult tissues, thus may function in signaling pathways utilized broadly during fetal development, and more selectively in adult tissues. It plays a negative regulatory role in the Ras-Raf1-MAPK pathway, and knockout mice have been shown to develop spontaneous tumors, suggesting a role as a tumor suppressor gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Research Articles on TNK1	**1.** TNK1 was found to be deregulated in the gut in murine and porcine trauma models and human inflammatory bowel disease. Thus, TNK1 might be a target during MODS to prevent damage in several organs, notably the gut.
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