



TNK1 Monoclonal Antibody

Catalog No	YP-Ab-14193
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	TNK1
Protein Name	Non-receptor tyrosine-protein kinase TNK1
Immunogen	Purified recombinant fragment of TNK1 (aa451-560) expressed in E. Coli.
Specificity	TNK1 Monoclonal Antibody detects endogenous levels of TNK1 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TNK1; Non-receptor tyrosine-protein kinase TNK1; CD38 negative kinase 1
Observed Band	
Cell Pathway	Cytoplasm . Membrane ; Peripheral membrane protein .
Tissue Specificity	Expressed in all umbilical cord blood, bone marrow and adult blood cell sub-populations and in several leukemia cell lines. Highly expressed in fetal blood, brain, lung, liver and kidney. Detected at lower levels in adult prostate, testis, ovary, small intestine and colon. Not expressed in adult lung, liver, kidney or brain.
Function	catalytic activity: ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate., function: Involved in negative regulation of cell growth. Has tumor suppressor properties. Plays a negative regulatory role in the Ras-MAPK pathway. May function in signaling pathways utilized broadly during fetal development and more selectively in adult tissues and in cells of the lymphohematopoietic system. Could specifically be involved in phospholipid signal transduction., PTM: Autophosphorylated on tyrosine residues., similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family., similarity: Contains 1 protein kinase domain., similarity: Contains 1 SH3 domain., subunit: Interacts with the SH3 domain of PLCG1 via its Pro-rich domain., tissue specificity: Expressed in all umbilical cord blood, bone marrow and adult blood cell sub-populations and in several leukemia cell lines. Highly expr



Background

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],

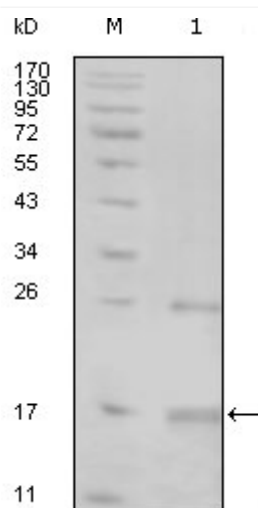
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using TNK1 Monoclonal Antibody against truncated TNK1-His recombinant protein (1).