非受体型酪氨酸蛋白激酶 Tnk1 抗体

产品货号： mlR3587

英文名称： TNK1

中文名称： 非受体型酪氨酸蛋白激酶 Tnk1 抗体

别　　名： CD38 negative kinase 1; EC 2.7.10.2 antibody Kinase of embryonic stem cells; Kos 1; Kos1; MGC46193; Non receptor tyrosine protein kinase TNK 1; Non receptor tyrosine protein kinase TNK1; Tnk 1; Tyrosine kinase non receptor 1.

研究领域： 肿瘤　免疫学　信号转导　细胞凋亡　转录调节因子　激酶和磷酸酶

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应　： Human, Mouse, Rat, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 73kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human TNK1:581-666/666

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： Tnk1 is a nonreceptor protein tyrosine kinase (NRPTK) and a new member of the Ack family of NRPTKs. Tnk1 is a ubiquitously expressed 47-kDa protein with autotyrosine kinase activity that is developmentally regulated during embryogenesis. Tnk1 is also upregulated following IL3 withdrawal from factor-dependent murine NSF/N1.H7 cells that undergo apoptosis, suggesting a role in growth inhibition. Data support a negative regulatory role for Tnk1 in regulating the Ras-Raf1-MAPK growth pathway by a mechanism that requires its autotyrosine kinase activity.

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.

Subunit:

Interacts with the SH3 domain of PLCG1 via its Pro-rich domain.

Subcellular Location:

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.

Post-translational modifications:

Autophosphorylated on tyrosine residues.

Similarity:

Belongs to the protein kinase superfamily. Tyr protein kinase family.

Contains 1 protein kinase domain.

Contains 1 SH3 domain.

SWISS:

Q13470

Gene ID:

8711

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.