



Rabbit Anti-Phospho-TNK1 (Tyr277) antibody

SL3450R

Product Name:	Phospho-TNK1 (Tyr277)
Chinese Name:	磷酸化非受体型酪氨酸蛋白激酶Tnk1抗体
Alias:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	73kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human TNK1 around the phosphorylation site of Tyr277:GR(p-Y)VM
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	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

Database links:

[Entrez Gene: 8711](#)Human

[Omin: 608076](#)Human

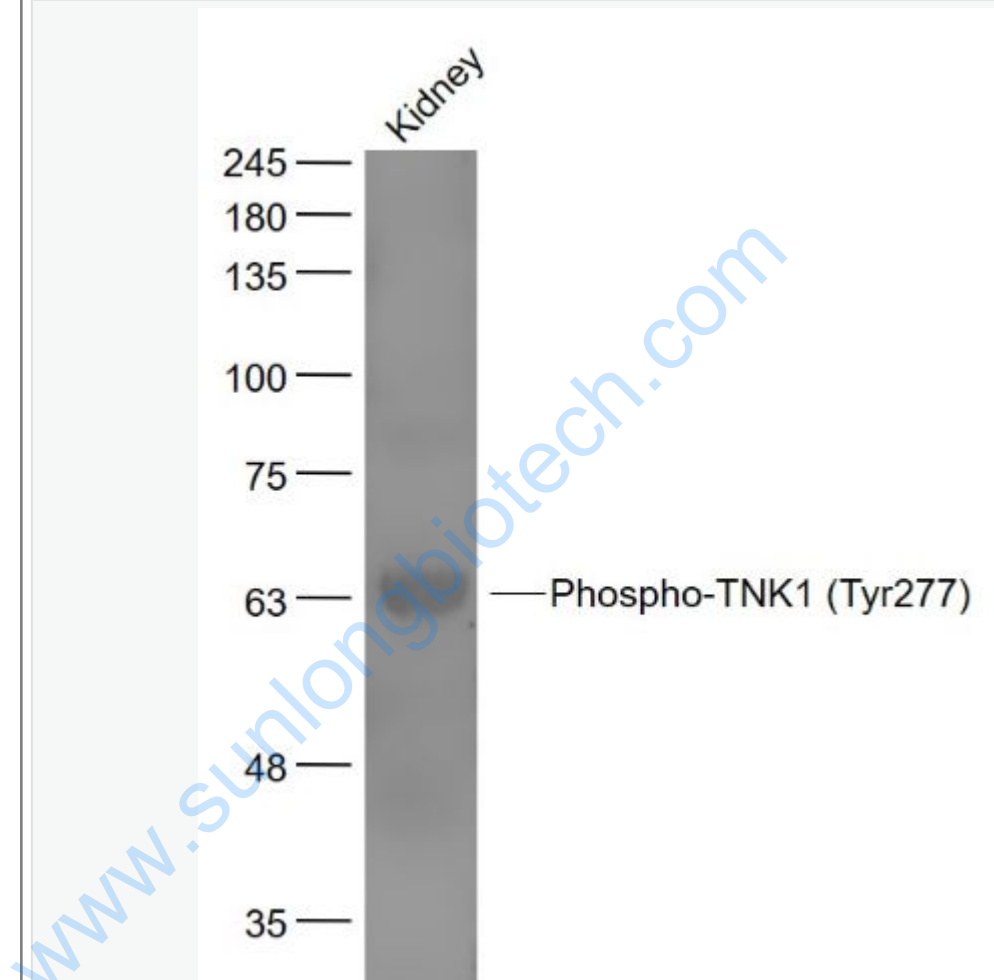
[SwissProt: Q13470](#)Human

[Unigene: 203420](#)Human

Important Note:

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

Picture:



Sample:

Kidney (Mouse) Lysate at 40 ug

Primary: Anti- Phospho-TNK1 (Tyr277) (SL3450R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 73 kD

	Observed band size: 63 kD
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