

## TNNI3K Polyclonal Antibody

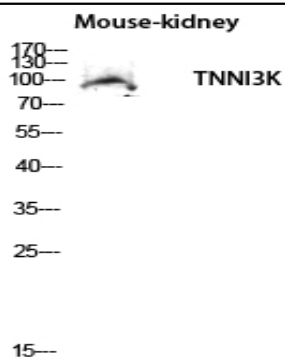
<b>Catalog No :</b>	YT4692
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	TNNI3K
<b>Gene Name :</b>	TNNI3K
<b>Protein Name :</b>	Serine/threonine-protein kinase TNNI3K
<b>Human Gene Id :</b>	51086
<b>Human Swiss Prot No :</b>	Q59H18
<b>Mouse Gene Id :</b>	435766
<b>Mouse Swiss Prot No :</b>	Q5GIG6
<b>Rat Gene Id :</b>	295531
<b>Rat Swiss Prot No :</b>	Q7TQP6
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human TNNI3K. AA range:301-350
<b>Specificity :</b>	TNNI3K Polyclonal Antibody detects endogenous levels of TNNI3K protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:10000. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.



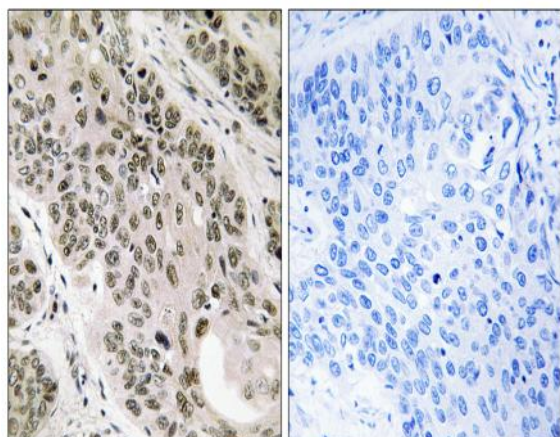
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	104kD
<b>Cell Pathway :</b>	Fructose and mannose metabolism;Amino sugar and nucleotide sugar metabolism;
<b>Background :</b>	This gene encodes a protein that belongs to the MAP kinase kinase kinase (MAPKKK) family of protein kinases. The protein contains ankyrin repeat, protein kinase and serine-rich domains and is thought to play a role in cardiac physiology. [provided by RefSeq, Sep 2012],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,catalytic activity:GTP + beta-L-fucose 1-phosphate = diphosphate + GDP-L-fucose.,cofactor:Magnesium.,function:Catalyzes the formation of GDP-L-fucose from GTP and L-fucose-1-phosphate. Functions as a salvage pathway to reutilize L-fucose arising from the turnover of glycoproteins and glycolipids.,function:May play a role in cardiac physiology.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 10 ANK repeats.,subcellular location:Expressed at lower levels in the cytoplasm.,subunit:Interacts with TNNT3, ACTC, ACTA1, MYBPC3, AIP, BABP3 and HADHB.,tissue specificity:Expressed in many tissues.,tissue specificity:Highly expressed in both adult and fetal heart.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Expressed at lower levels in the cytoplasm.
<b>Expression :</b>	Highly expressed in both adult and fetal heart.
<b>Sort :</b>	17268
<b>No4 :</b>	1

## Products Images





Western blot analysis of Mouse-kidney lysis using TNNI3K antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using TNNI3K Antibody. The picture on the right is blocked with the synthesized peptide.