



# TNNI3K Polyclonal Antibody

<b>Catalog No</b>	BYab-15021
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	TNNI3K
<b>Protein Name</b>	Serine/threonine-protein kinase TNNI3K
<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>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	TNNI3K; CARK; Serine/threonine-protein kinase TNNI3K; Cardiac ankyrin repeat kinase; Cardiac troponin I-interacting kinase; TNNI3-interacting kinase
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Expressed at lower levels in the cytoplasm.
<b>Tissue Specificity</b>	Highly expressed in both adult and fetal heart.
<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

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cytoplasm.,subunit:Interacts with TNNI3, ACTC, ACTA1, MYBPC3, AIP, BABP3 and HADHB.,tissue specificity:Expressed in many tissues.,tissue specificity:Highly expressed in both adult and fetal heart.,

**Background**

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],

**matters needing attention**

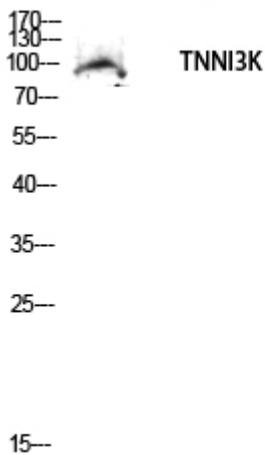
Avoid repeated freezing and thawing!

**Usage suggestions**

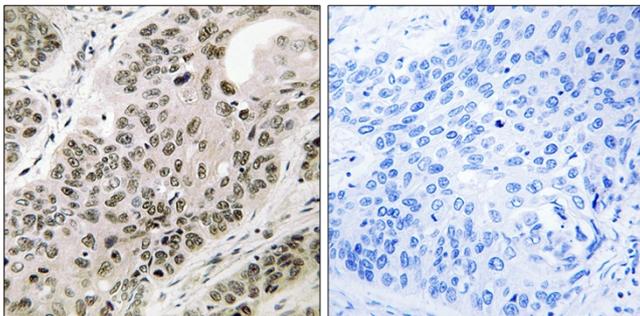
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Mouse-kidney



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.