



TNNI3K Monoclonal Antibody

Catalog No	YP-mAb-15021
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TNNI3K
Protein Name	Serine/threonine-protein kinase TNNI3K
Immunogen	The antiserum was produced against synthesized peptide derived from human TNNI3K. AA range:301-350
Specificity	TNNI3K Monoclonal Antibody detects endogenous levels of TNNI3K protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TNNI3K; CARK; Serine/threonine-protein kinase TNNI3K; Cardiac ankyrin repeat kinase; Cardiac troponin I-interacting kinase; TNNI3-interacting kinase
Observed Band	
Cell Pathway	Nucleus . Cytoplasm . Expressed at lower levels in the cytoplasm.
Tissue Specificity	Highly expressed in both adult and fetal heart.
Function	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 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],

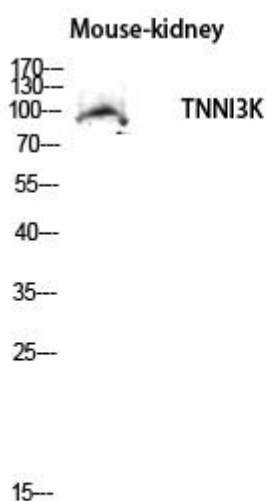
matters needing attention

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



Western Blot analysis of various cells using TNNI3K Monoclonal Antibody