



GK2 Monoclonal Antibody

Catalog No	YP-mAb-14758
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	GK2
Protein Name	Glycerol kinase 2
Immunogen	The antiserum was produced against synthesized peptide derived from human GK2. AA range:281-330
Specificity	GK2 Monoclonal Antibody detects endogenous levels of GK2 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	GK2; GKP2; GKTA; Glycerol kinase 2; GK 2; Glycerokinase 2; ATP:glycerol 3-phosphotransferase 2; Glycerol kinase; testis specific 2
Observed Band	61kD
Cell Pathway	Mitochondrion outer membrane ; Single-pass type IV membrane protein . Cytoplasm . In sperm the majority of the enzyme is bound to mitochondria. .
Tissue Specificity	Testis-specific (PubMed:33536340). Expressed in the midpiece of spermatozoa (PubMed:28852571).
Function	catalytic activity:ATP + glycerol = ADP + sn-glycerol 3-phosphate.,function:Key enzyme in the regulation of glycerol uptake and metabolism.,pathway:Polyol metabolism; glycerol degradation via glycerol kinase pathway; sn-glycerol 3-phosphate from glycerol: step 1/1.,similarity:Belongs to the FGGY kinase family.,subcellular location:In sperm the majority of the enzyme is bound to mitochondria.,
Background	catalytic activity:ATP + glycerol = ADP + sn-glycerol 3-phosphate.,function:Key enzyme in the regulation of glycerol uptake and metabolism.,pathway:Polyol metabolism; glycerol degradation via glycerol kinase pathway; sn-glycerol 3-phosphate from glycerol: step 1/1.,similarity:Belongs to the FGGY kinase family.,subcellular location:In sperm the majority of the enzyme is bound to mitochondria.,



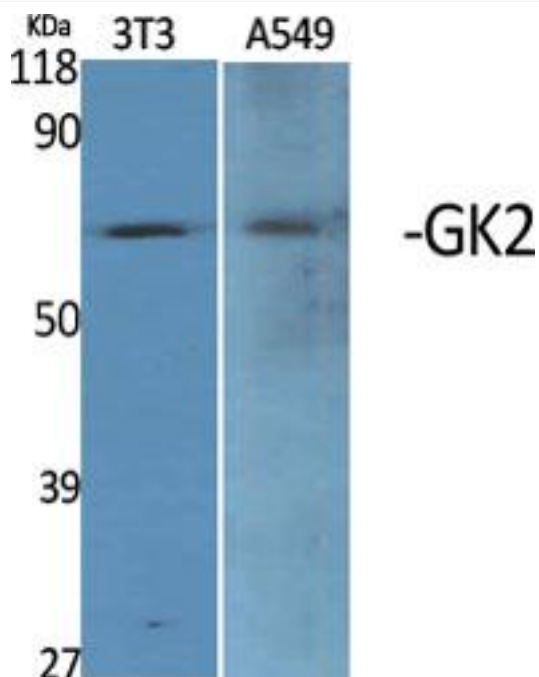
matters needing attention

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 GK2 Monoclonal Antibody