



Casein Kinase Iγ1 Polyclonal Antibody

Catalog No	YP-Ab-14698
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;IHC;IF;ELISA
Gene Name	CSNK1G1
Immunogen	The antiserum was produced against synthesized peptide derived from human CKI-gamma1. AA range:1-50
Specificity	Casein Kinase Iγ1 Polyclonal Antibody detects endogenous levels of Casein Kinase Iγ1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	casein kinase 1;gamma 1;CKI gamma 1;CSNK1G1;Casein Kinase Iγ1;Casein kinase I isoform gamma-1;CKI-gamma 1
Observed Band	49kD
Calculated Molecular Weight	49kD
Cell Pathway	Cytoplasm.
Tissue Specificity	Brain,Muscle,Pooled,
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer.,

**Background**

This gene encodes a member of the casein kinase I gene family. This family is comprised of serine/threonine kinases that phosphorylate acidic proteins such as caseins. The encoded kinase plays a role in cell cycle checkpoint arrest in response to stalled replication forks by phosphorylating Claspin. A mutation in this gene may be associated with non-syndromic early-onset epilepsy (NSEOE). [provided by RefSeq, Jul 2016],

matters needing attention

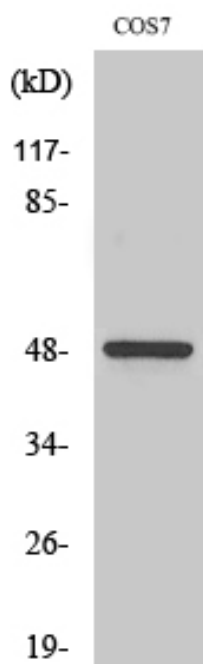
Avoid repeated freezing and thawing!

Usage suggestions

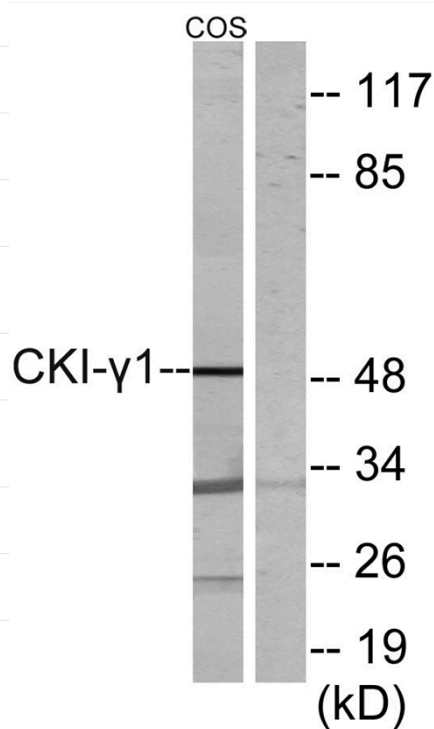
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



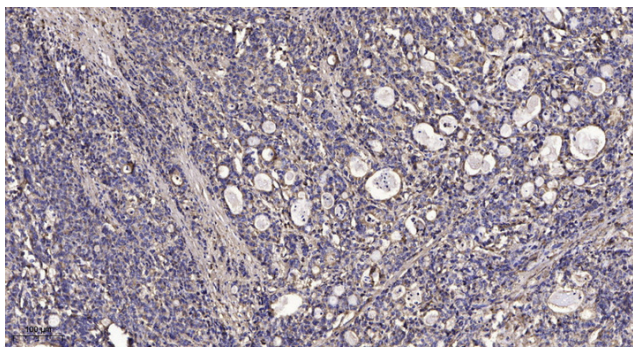
Products Images



Western Blot analysis of various cells using Casein Kinase Iγ1 Polyclonal Antibody



Western blot analysis of lysates from COS7 cells, using CKI-gamma1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).