



p57 Monoclonal Antibody

Catalog No	YP-mAb-16794
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CDKN1C
Immunogen	The antiserum was produced against synthesized peptide derived from human p57Kip2 around the non-acetylation site of Lys278. AA range:241-290
Specificity	p57 Monoclonal Antibody detects endogenous levels of p57 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	BWCR;BWS;CDKN1C;KIP2;p57;p57Kip2;WBS;Cyclin-dependent kinase inhibitor 1C;Cyclin-dependent kinase inhibitor p57
Observed Band	32kD
Calculated Molecular Weight	32kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. Expressed in the eye. High levels are seen in the placenta while low levels are seen in the liver.
Function	disease:Defects in CDKN1C are a cause of Beckwith-Wiedemann syndrome (BWS) [MIM:130650]. BWS is a genetically heterogeneous disorder characterized by anterior abdominal wall defects including exomphalos (omphalocele), pre- and postnatal overgrowth, and macroglossia. Additional less frequent complications include specific developmental defects and a predisposition to embryonal tumors.,disease:Defects in CDKN1C are involved in tumor formation.,function:Potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. Negative regulator of cell proliferation. May



play a role in maintenance of the non-proliferative state throughout life., similarity:Belongs to the CDI family.,tissue specificity:Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. High levels ar

Background

This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndrome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2010],

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 p57 Monoclonal Antibody