



p57kip2 (PT1900R) Rabbit mAb

Catalog No	YP-rAb-18548
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB、IHC、IF、IP、ELISA
Gene Name	CDKN1C
Immunogen	The specific immunogen used to produce this antibody is proprietary information.
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Dilution	IHC 1:200-1:1000; WB 1:5000-1:20000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	CDKN1C;Cyclin-dependent kinase inhibitor 1C;Beckwith Wiedemann syndrome ; BWCR ; BWS ; CDKI ; CDKN 1C ; CDKN1C ; CDN1C_HUMAN ; Cyclin dependent kinase inhibitor 1C ; Cyclin dependent kinase inhibitor p57 ; Cyclin-dependent kinase inhibitor 1C ; Cyclin-dependent kinase inhibitor p57 ; KIP 2 ; KIP2 ; p57 ; p57 Kip 2 ; p57KIP2 ; WBS
Observed Band	52kD
Calculated Molecular Weight	32kD
Cell Pathway	Nuclear
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 are seen in the placenta while low levels are seen in the liver. ,

Background

P57kip2 is a cell cycle inhibitor and tumor suppressor. The gene is mainly located on the mother's chromosome 11. By blocking the G1 / S phase transition in the cell cycle , we can realize the negative regulation of the cell cycle , and then prevent cell proliferation and tumor formation. In complete hydatidiform mole , there is a lack of maternal gene and p57 negative expression , while in partial hydatidiform mole , there are genes of both parents and p57 positive expression , which can be used for the study of early hydatidiform mole pregnancy.

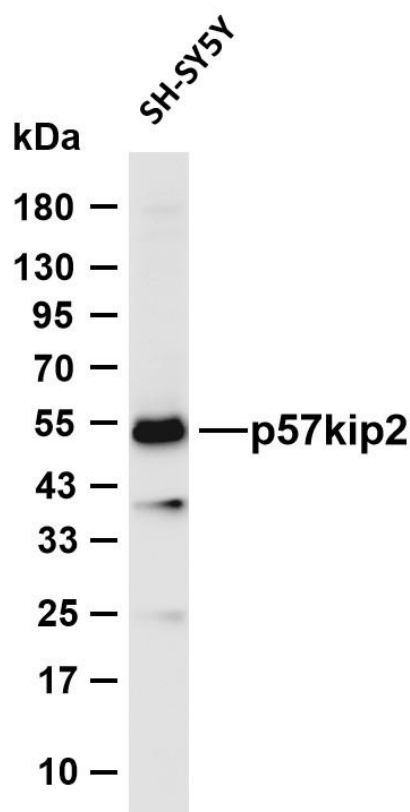
matters needing attention

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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-p57kip2 (PT1900R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: SH-SY5Y

Predicted band size: 32kDa

Observed band size: 52kDa