p57kip2 (ABT-P57) Mouse mAb

CatalogNo: YM4938 Recombinant

Key Features

Host Species
- Mouse

Reactivity
- Human

Applications
- IHC,WB,IF,ELISA

MW
- 50kD (Calculated)

57kD (Observed)

Isotype
- IgG2a,Kappa

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1000
WB 1:500-2000
IF 1:100-500
ELISA 1:1000-5000

Basic Information

Clonality	Monoclonal
Clone Number	ABT-P57

Immunogen Information

Immunogen	Synthesized peptide derived from human p57kip2 AA range: 200-316
Specificity	This antibody detects endogenous levels of p57kip2 protein.

Target Information

Gene name CDKN1C KIP2

Protein Name 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

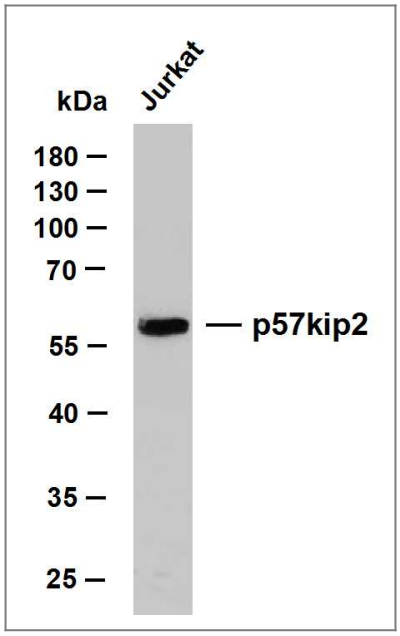
Organism	Gene ID	UniProt ID
Human	1028;	P49918;

Cellular Localization Nuclear

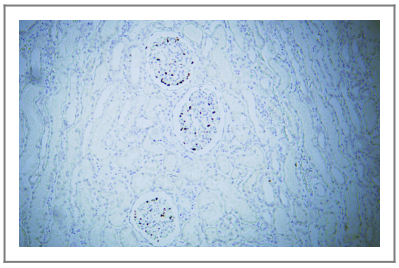
Tissue specificity Placenta/ Kindey

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.,

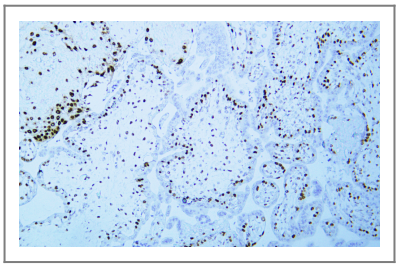
Validation Data



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-p57kip2 (ABT-P57)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Jurkat



Human Kidney tissue was stained with Anti-p57kip2 (ABT-P57) Antibody



Human placenta tissue was stained with Anti-p57kip2 (ABT-P57) Antibody

Contact information

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Please scan the QR code to access additional product information:
p57kip2 (ABT-P57) Mouse mAb