Best Tools for immunology Research

p57kip2 (ABT-P57) mouse mAb

Catalog No :	YM6205
Reactivity :	Human;
Applications :	WB;IHC;ELISA
Target :	p57
Fields :	>>Cell cycle
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 ki
Human Gene Id :	1028
Human Swiss Prot No :	P49918
Mouse Swiss Prot No :	P49919
Immunogen :	Synthesized peptide derived from human p57kip2 AA range: 200-316
Specificity :	This antibody detects endogenous levels of p57kip2 protein
Formulation :	PBS, pH7.4, 50% glycerol, 0.05% Proclin 300
Source :	Mouse, Monoclonal/IgG2a, Kappa
Dilution :	IHC 1:200-400, WB 1:500-2000, ELISA 1:5000-20000
Purification :	Protein G
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	35kD

Cell Pathway : TLR pathway; IIP pathway; RTK pathway; TNF pathway

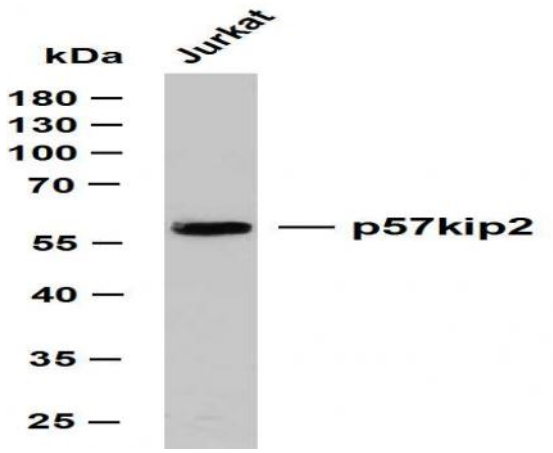
Background : This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, 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],

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

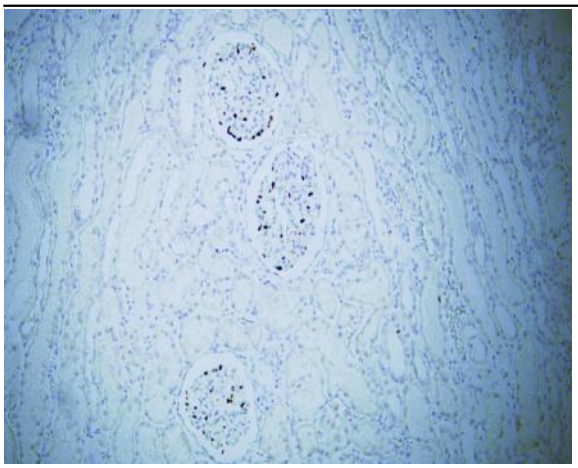
Subcellular Location : Nuclear

Expression : Placenta/ Kindey

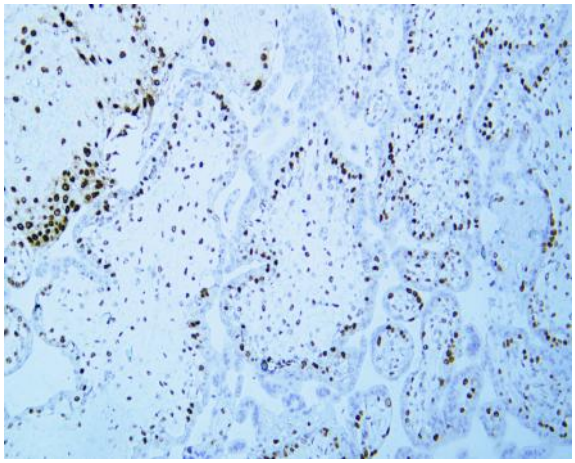
Products Images



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 Predicted band size: 57kDa Observed band size: 57kDa



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



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