



p57kip2 (ABT214) Mouse mAb

Catalog No	YP-Ab-15708
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC
Gene Name	CDKN1C KIP2
Immunogen	Synthesized peptide derived from human p57kip2
Specificity	The antibody can specifically recognize human p57kip2 protein.
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Monoclonal Mouse IgG2b, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400,
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BWCR;BWS;CDKN1C;KIP2;p57;p57Kip2;WBS;CDKN1C KIP2;Beckwith Wiedemann syndrome;CDKI;CDKN 1C;CDN1C HUMAN;Cyclin dependent kinase inhibitor 1C;Cyclin dependent kinase inhibitor p57;Cyclin-dependent kinase inhibitor 1C;Cyclin-dependent ki;Cyclin-dependent kinase inhibitor p57; KIP 2;p57 Kip 2
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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 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],

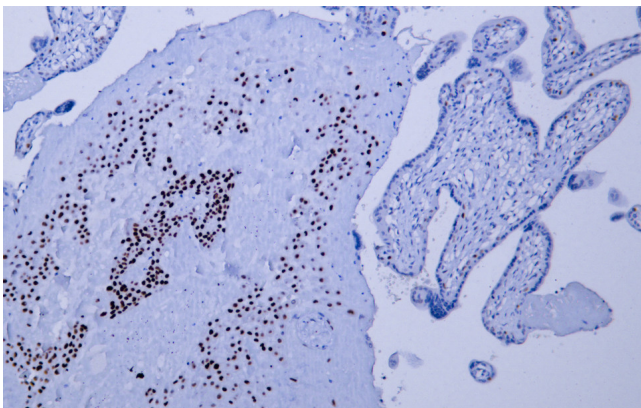
matters needing attention

Avoid repeated freezing and thawing!

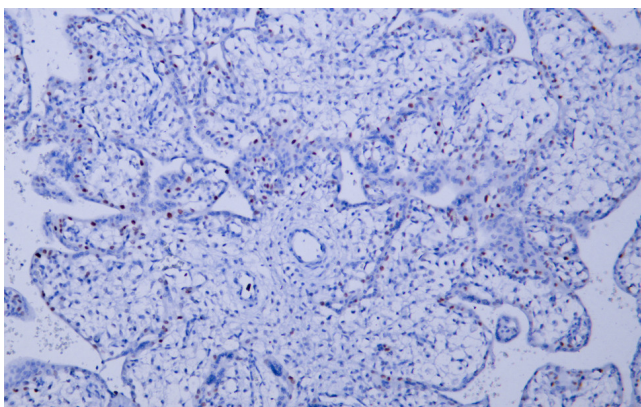
Usage suggestions

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

Products Images



Human placenta tissue was stained with Anti-p57kip2 (ABT214) Antibody



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