

## Product datasheet for **TA327720**

### **p57 Kip2 (CDKN1C) Mouse Monoclonal Antibody [Clone ID: KP10]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	KP10
Applications:	IHC
Recommended Dilution:	IHC: 1:100 - 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Formulation:	This antibody is supplied as cell culture supernatant diluted in tris buffered saline, pH 7.3-7.7, with 1% BSA and <0.1% sodium azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cyclin-dependent kinase inhibitor 1C
Database Link:	<a href="#">NP_000067</a> <a href="#">Entrez Gene 1028 Human</a> <a href="#">P49918</a>
Synonyms:	BWCR; BWS; KIP2; p57; p57Kip2; WBS

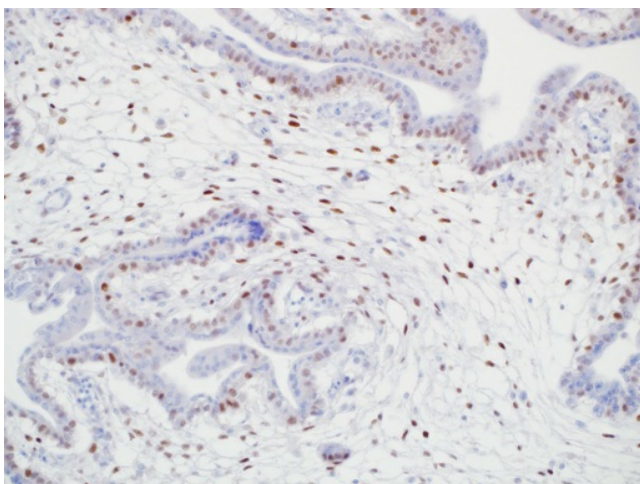
[View online »](#)

**Note:** p57KIP2 is a cyclin-dependent kinase inhibitor, cell cycle inhibitor and tumor suppressor gene, located at 11p15.5. p57KIP2 shows strong paternal genomic imprinting, resulting in expression predominantly from the maternal allele. Anti-p57 has been used as an aide in identification of complete hydatidiform mole (CHM) (no nuclear labeling of cytotrophoblasts and stromal cells) from partial hydatidiform mole (PHM) in which both cytotrophoblasts and stromal cells stain. The histological differentiation of complete mole, partial mole, and hydropic spontaneous abortion is problematic. Most complete hydatidiform moles are diploid, whereas most partial moles are triploid. Ploidy studies will identify partial moles, but will not differentiate complete moles from non-molar gestations. Complete moles carry a high risk of persistent disease and choriocarcinoma, while partial moles have a very low risk. In normal placenta, many cytotrophoblast nuclei and stromal cells are labeled with this antibody. Similar findings apply to PHM and hydropic abortus tissues. Intervillous trophoblastic islands (IVTIs) demonstrate nuclear labeling in all three entities and serve as an internal control. Other markers which may be useful in a panel for differentiating the various forms of gestational trophoblastic disease are anti-hCG, anti-placental alkaline phosphatase, and anti-hPL.

**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle

### Product images:



Immunohistochemistry staining of Paraffin Placenta tissue by p57 antibody (dilution: 1:100 - 1:500; visualization of staining: Nuclear)