ZETA Corporation *IVD Data Sheet (Rev 122017)*

$p57^{Kip2}$ (Clone KP10)

Mouse Monoclonal Antibody

Specificity: Human and Mouse. Others not-known

Immunogen: Recombinant human p57Kip2 protein

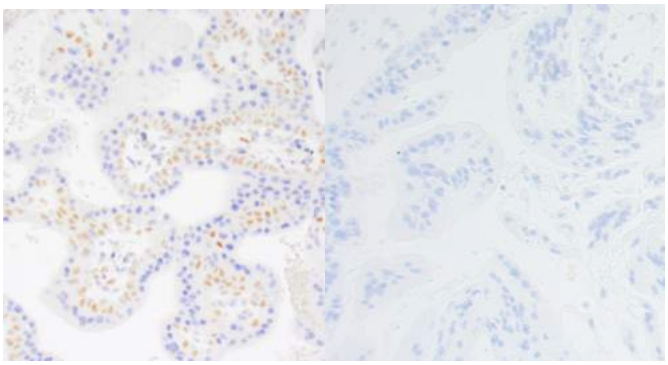
Ig Class: IgG_{2b} / κ

storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions*: Pretreatment of deperaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-500. *Positive Control:* Colon carcinoma or placenta. *Cellular Localization*: Nuclear. *Intended Use*: In vitro diagnosis (IVD).

Description*:* p57Kip2 (or CDKN1C) is a potent tight-binding inhibitor of several G1 cyclin complexes, and is a negative regulator of cell proliferation. The gene encoding human $p57^{Kip2}$ is located on chromosome 11p15.5, a region implicated in both sporadic cancers, Wilm's tumor, and Beckwith-Wiedemann syndrome (BWS), a cancer syndrome, making it a tumor suppressor candidate. BWS is characterized by numerous growth abnormalities and an increased risk of childhood tumors. Several types of childhood tumors including Wilms' tumor, adrenocortical carcinoma and rhabdomyosarcoma display a specific loss of maternal 11p15 alleles, suggesting that genomic imprinting plays an important part. This region also contains two other imprinted genes, insulin-like growth factor II (IGF-II) and H19, both of which seem to be implicated in adrenal neoplasms.

Supplied As: Tissue culture supernatant with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human partial (let) and complete (right) moles stained with anti-p57 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of cytotrophoblasts in partial mole (left) and negative in complete mole (right)

Cat. #Z2173 (1.0 ml)

ZETA Corporation
65 N 1st Ave, Ste 202C
Arcadia, CA 91006, USA
Tel: (626) 355-2053
http://www.zeta-corp.com

CE IVD

EC REP

Emergo Europe B.V.
Prinsessegracht 20
2514 AP The Hague
The Netherlands
Tel: +31 70 345 8570

Zeta Corporation