

Rabbit Anti-p57/Kip2 [EP183]: RM0155

Intended Use: For Research Use Only

Description: p57Kip2 is a potent, tight-binding inhibitor of several G1 cyclin/Cdk complexes, and its binding is cyclin dependent. Its over-expression leads to arrest of the cell in G1 phase. Human p57Kip2 appears to have conserved the amino- and carboxy-terminal domains but has replaced the internal regions with sequences containing proline-alanine repeats. Expression patterns suggest a complex role for p57Kip2 cell cycle control and development. Because complete hydatidiform moles lack a maternal genome, p57Kip2 immunostaining is correspondingly absent, whereas hydropic abortuses and partial moles show positive staining. p57Kip2 is a marker distinguishing complete hydatidiform moles (negative) from partial moles (positive).

Specifications

Clone: EP183
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

| Description | Catalog No. | Size |
|-----------------------|-------------|------|
| p57/Kip2 Concentrated | RM0155 | 1 ml |

IHC Procedure*

Positive Control Tissue: Colon cancer, placenta
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.