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Anti-p57 Kip2 (pT310) Antibody

Rabbit polyclonal antibody to p57 Kip2 (pT310)
Catalog # AP61075

Specification

Anti-p57 Kip2 (pT310) Antibody - Product Information

Application	**WB, IF/IC, IHC**
Primary Accession	P49918
Other Accession	P49919
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32177**

Anti-p57 Kip2 (pT310) Antibody - Additional Information

Gene ID 1028

Other Names
KIP2; Cyclin-dependent kinase inhibitor 1C; Cyclin-dependent kinase inhibitor p57; p57Kip2

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human p57 Kip2. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/100 - 1/500)
IF/IC~~N/A
IHC~~1:100~500

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-p57 Kip2 (pT310) Antibody - Protein Information

Name CDKN1C

Synonyms KIP2

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.

Cellular Location
Nucleus.

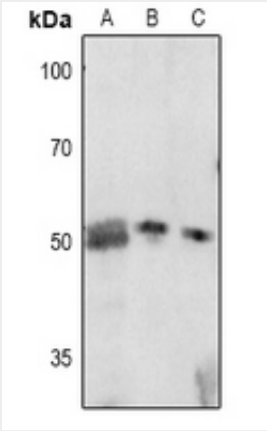
Tissue Location
Expressed in the heart, brain, lung, skeletal muscle, kidney, pancreas and testis. Expressed in the eye. High levels are seen in the placenta while low levels are seen in the liver

Anti-p57 Kip2 (pT310) Antibody - Protocols

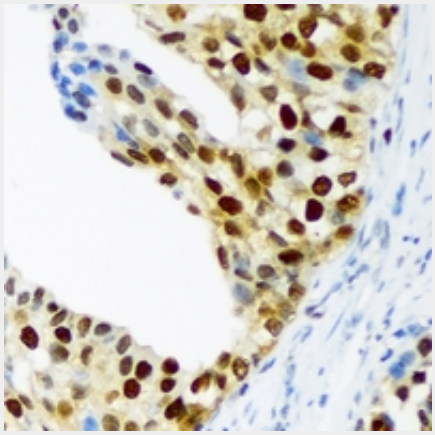
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-p57 Kip2 (pT310) Antibody - Images



Western blot analysis of p57 Kip2 (pT310) expression in K562 (A), Hela (B), HEK293T (C) whole cell lysates.



Immunohistochemical analysis of p57 Kip2 (pT310) staining in human prostate cancer formalin

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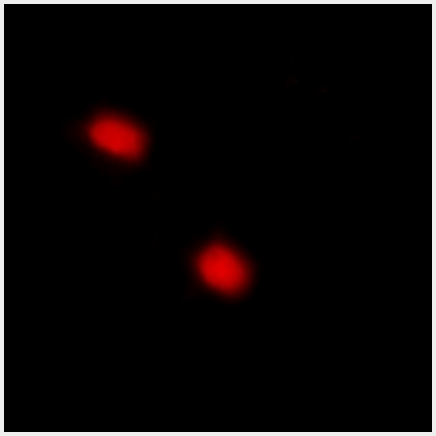
fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of p57 Kip2 (pT310) staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Anti-p57 Kip2 (pT310) Antibody - Background

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