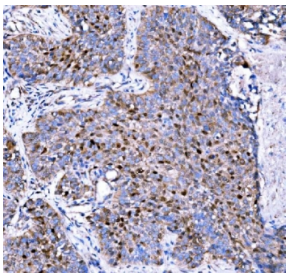
p57Kip2 Antibody / CDKN1C (RQ7967)

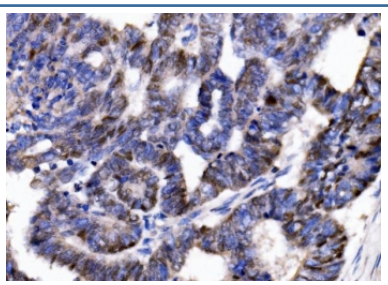
Catalog No.	Formulation	Size
RQ7967	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

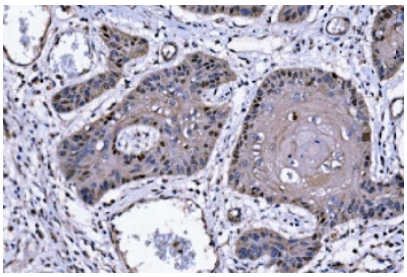
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49918
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This p57Kip2 antibody is available for research use only.



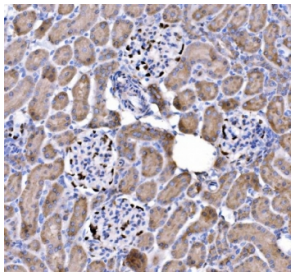
IHC staining of FFPE human lung cancer tissue with p57Kip2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



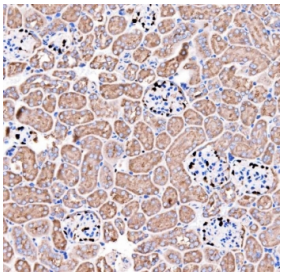
IHC staining of FFPE human cervical cancer tissue with p57Kip2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



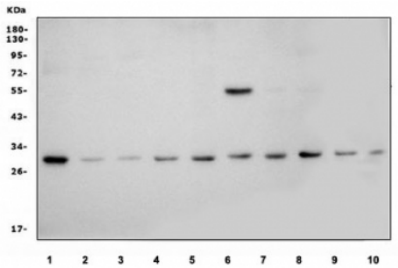
IHC staining of FFPE human esophageal squamous carcinoma tissue with p57Kip2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human rat kidney tissue with p57Kip2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human mouse kidney tissue with p57Kip2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human Jurkat, 2) human HepG2, 3) human A549, 4) human ThP-1, 5) human Raji, 6) human SW620, 7) human Caco-2, 8) human HEK293, 9) rat PC-12 and 10) mouse NIH 3T3 cell lysate with p57Kip2 antibody. Predicted molecular weight ~32 kDa but can be observed at ~57 kDa.

Description

Cyclin-dependent kinase inhibitor 1C (p57, Kip2), also known as CDKN1C, is a protein which in humans is encoded by the CDKN1C imprinted gene. It is mapped to 11p15.4. 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 syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.

Application Notes

Optimal dilution of the p57Kip2 antibody should be determined by the researcher.

Immunogen

Amio acids ARLAELNAEDQNRWD were used as the immunogen for the p57Kip2 antibody.

Storage

After reconstitution, the p57Kip2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.