

Basic Information

Product Name	Anti-p57Kip2/CDKN1C Antibody (Clone#17C19)	
Gene Name	CDKN1C	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human p57 Kip2	
Concentration	500ug/ml	
Purification	Affinity-chromatography	
Observed MW	30 kDa/57 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20

Storage

12 months from date of receipt, -20°C as supplied.

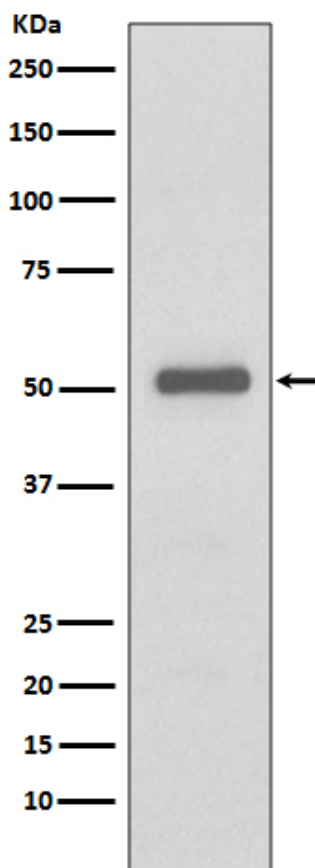
Background Information

p27 Kip1 is a member of the Cip/Kip family of cyclin-dependent kinase inhibitors. Like its relatives, p57 Kip2 and p21 Waf1/Cip1, the ability to enforce the G1 restriction point is derived from its inhibitory binding to CDK2/cyclin E and other CDK/cyclin complexes. Expression levels of p27 are upregulated in quiescent cells and in cells treated with cAMP or other negative cell cycle regulators. Downregulation of p27 can be induced by treatment with interleukin-2 or other mitogens; this involves phosphorylation of p27 and its degradation by the ubiquitin-proteasome pathway (1-4). p57 Kip2 (Cyclin-dependent kinase inhibitor 1C) functions as a tumor suppressor. Mutations of p57 Kip2 have been associated with numerous human malignancies as well as Beckwith-Wiedemann syndrome (BWS), characterized by an increased risk of childhood cancer.

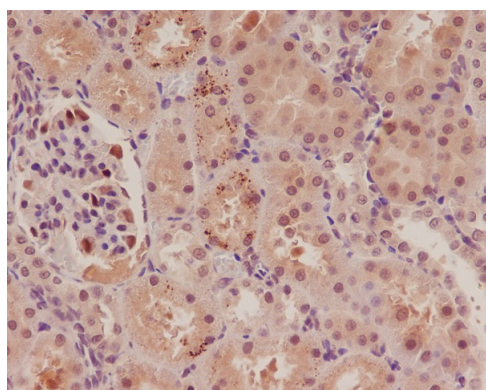
Reference

Anti-p57Kip2/CDKN1C Antibody (Clone#17C19)被引用在1文献中。

Selected Validation Data



Western blot analysis on HeLa cell using p57 Kip2 Antibody.



Immunohistochemical analysis of paraffin-embedded rat kidney, using p57 Kip2 Antibody .

Product datasheet

**Anti-p57Kip2/CDKN1C Antibody
(Clone#17C19)**

Catalog Number: BM4129

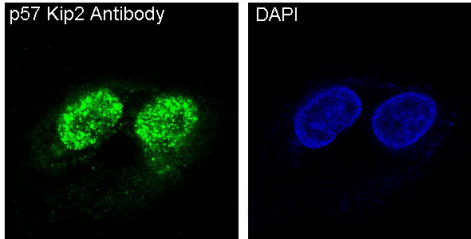
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Immunofluorescent analysis of HeLa cells treated with dexamethasone, using p57 Kip2 Antibody .