

Basic Information

Product Name	Anti-p57Kip2/CDKN1C Antibody	
Gene Name	CDKN1C	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human p57 Kip2/CDKN1C, identical to the related mouse sequence.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	30 kDa/57 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry in paraffin section IHC	1:50-400
	(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

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

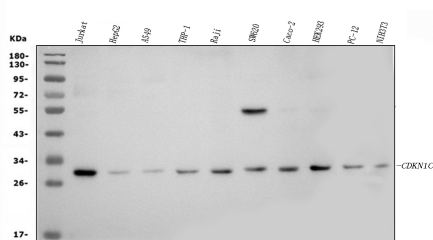
Background Information

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 syndrome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.

Reference

Anti-p57Kip2/CDKN1C Antibody 被引用在1文献中。

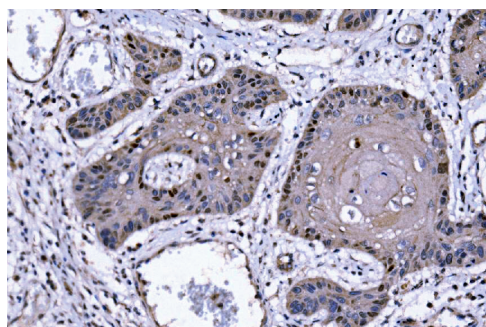
Selected Validation Data



Western blot analysis of p57Kip2/CDKN1C using anti-p57Kip2/CDKN1C antibody (A01244-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: Jurkat whole cell lysates,
Lane 2: HepG2 whole cell lysates,
Lane 3: A549 whole cell lysates,
Lane 4: THP-1 whole cell lysates,
Lane 5: Raji whole cell lysates,
Lane 6: SW620 whole cell lysates,
Lane 7: Caco-2 whole cell lysates,
Lane 8: HEK293 whole cell lysates,
Lane 9: PC-12 whole cell lysates,
Lane 10: NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-p57Kip2/CDKN1C antigen affinity purified polyclonal antibody (A01244-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for p57Kip2/CDKN1C at approximately 30 kDa/57 kDa. The expected band size for p57Kip2/CDKN1C is at 32 kDa.



IHC analysis of p57Kip2/CDKN1C using anti-p57Kip2/CDKN1C antibody (A01244-2).

p57Kip2/CDKN1C was detected in a paraffin-embedded section of human esophageal squamous carcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-p57Kip2/CDKN1C Antibody (A01244-2) at a dilution of 1:200 and developed using Streptavidin-

Product datasheet

Anti-p57Kip2/CDKN1C Antibody

Catalog Number: **A01244-2**

BOSTER[®]

antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com **Phone:** 027-67845390/1/2 **Email:** boster@boster.com

Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.