10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

p57 Kip2 Antibody

Rabbit mAb
Catalog # AP90293

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P49918
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	BWCR; BWS; KIP2; WBS; p57; p57 Kip2; WBS ; CDKN1C; Cyclin dependent kinase inhibitor 1C
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	32177

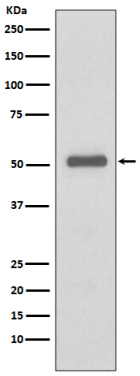
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human p57 Kip2
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis on HeLa cell using p57 Kip2 Antibody.

Image not found : 202311/AP90293-IHC.jpg

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

Image not found : 202311/AP90293-IF.jpg

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