



## p57 Kip2 Monoclonal Antibody (57P06 (KP10))

Catalog Number MA5-11309

Product Data Sheet

Details		Species Reactivity	
Size	500 µL	Tested species reactivity	Human, Mouse
Host / Isotype	Mouse IgG2b, kappa	Published Species Reactivity	Human, Mouse
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL
Clone	57P06 (KP10)	Immunoprecipitation (IP)	2 µg/mL
Immunogen	Recombinant human p57Kip2 protein	Western Blot (WB)	1:50-1:500
Conjugate	Unconjugated	Published Applications	
Form	Liquid	Immunohistochemistry (IHC)	See 21 publications below
Concentration	0.2mg/mL	Western Blot (WB)	See 1 publications below
Purification	Protein A	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Storage Buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	0.09% sodium azide		
Storage Conditions	4° C		

### Product Specific Information

MA5-11309 targets p57Kip2 in WB, IHC (P) and IP applications and shows reactivity with Human and mouse samples.

The MA5-11309 immunogen is recombinant human p57Kip2 protein.

### Background/Target Information

p57Kip2 (or CDKN1C) is a potent tight-binding inhibitor of several G1 cyclin complexes, and is a negative regulator of cell proliferation. The gene encoding human p57Kip2 is located on chromosome 11p15.5, a region implicated in both sporadic cancers, Wilm's tumor, and Beckwith-Wiedemann syndrome (BWS), a cancer syndrome, making it a tumor suppressor candidate. BWS is characterized by numerous growth abnormalities and an increased risk of childhood tumors. Several types of childhood tumors including Wilms' tumor, adrenocortical carcinoma and rhabdomyosarcoma display a specific loss of maternal 11p15 alleles, suggesting that genomic imprinting plays an important part. This region also contains two other imprinted genes, insulin-like growth factor II (IGF-II) and H19, both of which seem to be implicated in adrenal neoplasms.

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