

# Product Datasheet

## **p57 Kip2 Antibody (KP10 + KIP2/880) - Azide and BSA Free NBP2-47767-0.1mg**

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-47767](http://www.novusbio.com/NBP2-47767)

Updated 3/15/2023 v.20.1

**Earn rewards for product reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-47767](http://www.novusbio.com/reviews/destination/NBP2-47767)



**NBP2-47767-0.1mg**

p57 Kip2 Antibody (KP10 + KIP2/880) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	KP10 + KIP2/880
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa/IgG2b Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS
<b>Target Molecular Weight</b>	57 kDa

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	1028
<b>Gene Symbol</b>	CDKN1C
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	Recognizes a protein of 57kDa, identified as p57Kip2. It shows no cross-reaction with p27Kip1. p57Kip2 is a potent tight-binding inhibitor of several G1 cyclin complexes, and is a negative regulator of cell proliferation. Anti-p57 has been used as an aide in identification of complete hydatidiform mole (CHM) (no nuclear labeling of cytotrophoblasts and stromal cells) from partial hydatidiform mole (PHM) in which both cytotrophoblasts and stromal cells stain. The histological differentiation of complete mole, partial mole, and hydropic spontaneous abortion is problematic. Most complete hydatidiform moles are diploid, whereas most partial moles are triploid. Ploidy studies will identify partial moles, but will not differentiate complete moles from non-molar gestations. Complete moles carry a high risk of persistent disease and choriocarcinoma, while partial moles have a very low risk. In normal placenta, many cytotrophoblast nuclei and stromal cells are labeled with this antibody. Similar findings apply to PHM and hydropic abortus tissues. Intervillous trophoblastic islands (IVTIs) demonstrate nuclear labeling in all three entities and serve as an internal control.
<b>Immunogen</b>	Recombinant human p57Kip2 protein

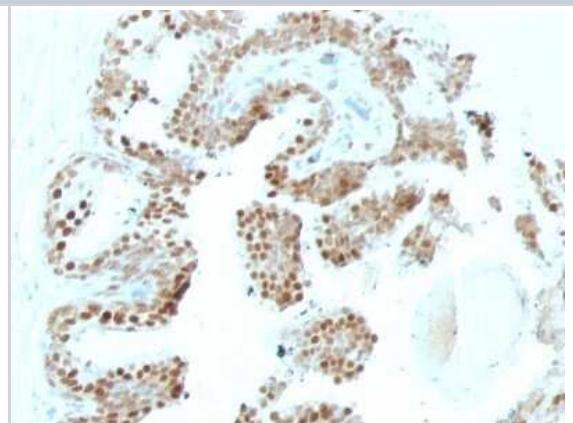
**Product Application Details**

<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin : 0.25 - 0.5 ug/ml, Immunofluorescence : 0.5 - 1.0 ug/ml, CyTOF-ready
<b>Application Notes</b>	Hu-chromosome location: 11p15.5 Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes.



## Images

Immunohistochemistry-Paraffin: p57 Kip2 Antibody (KP10 + KIP2/880) - Azide and BSA Free [NBP2-47767] - Human Prostate Carcinoma stained with p57 Monoclonal Antibody (KP10+KIP2/880).





### **Novus Biologicals USA**

10730 E. Briarwood Avenue

Centennial, CO 80112

USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

[novus@novusbio.com](mailto:novus@novusbio.com)

### **Bio-Techne Canada**

21 Canmotor Ave

Toronto, ON M8Z 4E6

Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

[canada.inquires@bio-techne.com](mailto:canada.inquires@bio-techne.com)

### **Bio-Techne Ltd**

19 Barton Lane

Abingdon Science Park

Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

[info.EMEA@bio-techne.com](mailto:info.EMEA@bio-techne.com)

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)

Technical Support: [technical@novusbio.com](mailto:technical@novusbio.com)

Orders: [orders@novusbio.com](mailto:orders@novusbio.com)

General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)**

**Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-47767](http://www.novusbio.com/reviews/submit/NBP2-47767)**

**Earn gift cards/discounts by submitting a publication using this product:**

[www.novusbio.com/publications](http://www.novusbio.com/publications)