

# Product Datasheet

## p57 Kip2 Antibody (KIP2/7083R)

### NBP3-13832-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP3-13832-100ug**

p57 Kip2 Antibody (KIP2/7083R)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	KIP2/7083R
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	57 kDa

Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-14222)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</p>
Host	Rabbit
Gene ID	1028
Gene Symbol	CDKN1C
Species	Human, Mouse
Specificity/Sensitivity	<p>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.</p>
Immunogen	Recombinant full-length human p57 Kip2 protein (Uniprot: P49918)

Product Application Details	
Applications	Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry-Paraffin 0.25-0.5 ug/ml

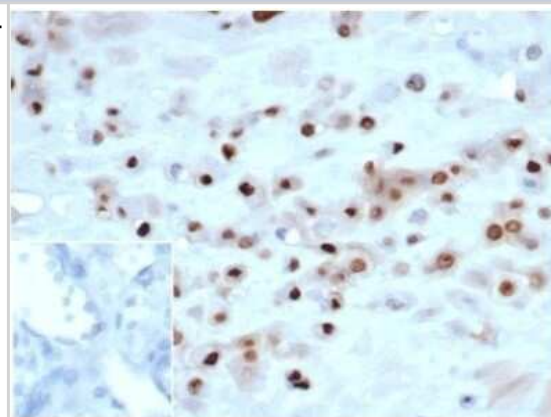


**Application Notes**

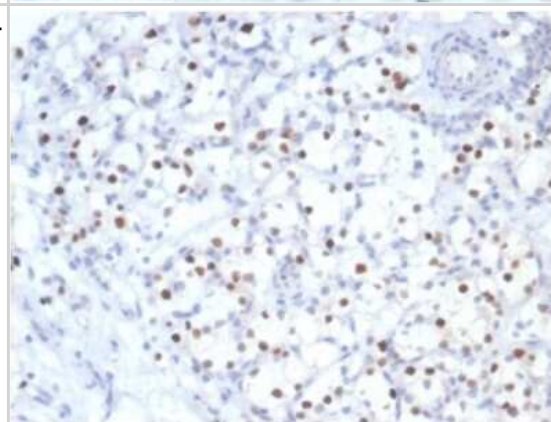
Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes

**Images**

Immunohistochemistry-Paraffin: p57 Kip2 Antibody (KIP2/7083R) [NBP3-13832] - IHC analysis of formalin-fixed, paraffin-embedded human placenta. Strong nuclear staining using p57 Kip2 antibody (KIP2/7083R) at 2ug/ml in PBS for 30min RT. Inset: PBS instead of primary antibody; secondary only negative control.



Immunohistochemistry-Paraffin: p57 Kip2 Antibody (KIP2/7083R) [NBP3-13832] - IHC analysis of formalin-fixed, paraffin-embedded human kidney cancer. Strong nuclear staining using p57 Kip2 antibody (KIP2/7083R) at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. HRP-polymer, 30min. DAB, 5min.





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### **Products Related to NBP3-13832-100ug**

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001028-Q01-10ug	Recombinant Human p57 Kip2 GST (N-Term) Protein

### **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.

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