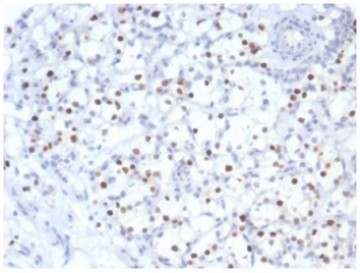
Recombinant p57Kip2 Antibody / p57 [clone KIP2/7083R] (V9545)

Catalog No.	Formulation	Size
V9545-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9545-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9545SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

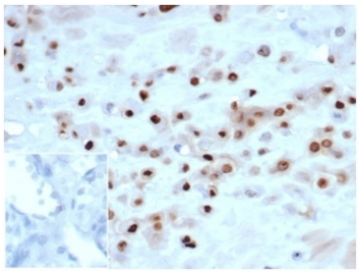
Recombinant RABBIT MONOCLONAL

Bulk quote request

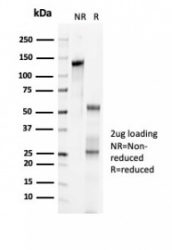
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	KIP2/7083R
Purity	Protein A/G affinity
UniProt	P49918
Localization	Nuclear
Applications	Immunohistochemistry (FFPE): 0.25-0.5ug/ml Western blot: 2-4ug/ml
Limitations	This recombinant p57Kip2 antibody is available for research use only.



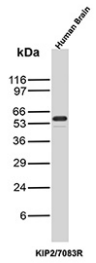
p57Kip2 Antibody Human Kidney Cancer Tissue IHC. Immunohistochemistry staining of FFPE human kidney cancer tissue with recombinant p57Kip2 antibody (clone KIP2/7083R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



p57Kip2 Antibody Human Placenta Tissue IHC. Immunohistochemistry staining of FFPE human placenta tissue with recombinant p57Kip2 antibody (clone KIP2/7083R) at 2ug/ml in PBS for 30min RT. Negative control inset: PBS instead of primary antibody to control for secondary binding.



SDS-PAGE analysis of purified, BSA-free recombinant p57Kip2 antibody (clone KIP2/7083R) as confirmation of integrity and purity.



p57Kip2 Antibody Human Brain WB. Western blot analysis of Cyclin-dependent kinase inhibitor 1C (p57Kip2, CDKN1C) expression in human brain tissue lysate using p57Kip2 antibody clone KIP2/7083R. Lane 1: human brain lysate. A band is detected at approximately 55â€“60 kDa, consistent with the predicted molecular weight of p57Kip2, a cyclin-dependent kinase inhibitor involved in cell cycle regulation and differentiation. The clear signal in brain tissue supports the use of this clone for western blot analysis of neural samples.

Description

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.

This antibody is part of a broader antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the recombinant p57Kip2 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant p57Kip2 antibody.

Storage

Aliquot the recombinant p57Kip2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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