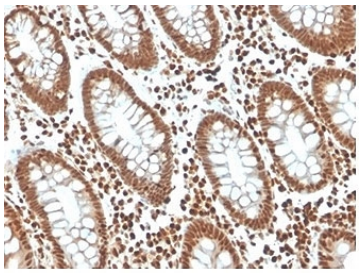
p27Kip1 Antibody / p27 / CDKN1B [clone KIP1/1357] (V9478)

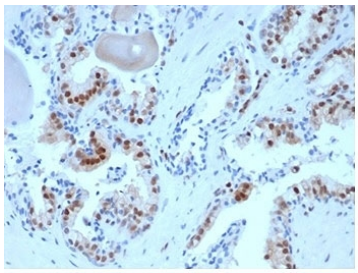
Catalog No.	Formulation	Size
V9478-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9478-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9478SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

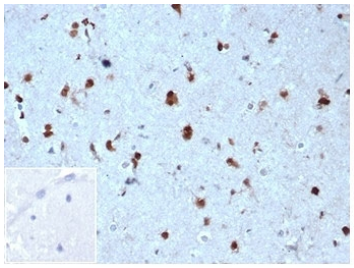
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KIP1/1357
Purity	Protein A/G affinity
UniProt	P46527
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This p27Kip1 antibody is available for research use only.



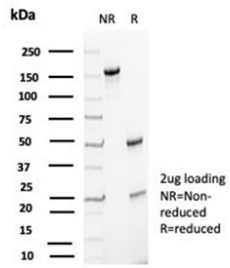
IHC staining of FFPE human colon tissue with p27Kip1 antibody (clone KIP1/1357) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate tissue using (clone KIP1/1357) 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.



IHC staining of FFPE human brain tissue with p27Kip1 antibody (clone KIP1/1357) at 2ug/ml in PBS for 30min RT. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free p27Kip1 antibody (clone KIP1/1357) as confirmation of integrity and purity.

Description

This MAb recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It functions as a negative regulator of G1 progression and has been proposed to function as a possible mediator of TGF-b induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. Reportedly, low p27 expression has been associated with unfavorable prognosis in renal cell carcinoma, colon carcinoma, breast carcinomas, non-small-cell lung carcinoma, hepatocellular carcinoma, multiple myeloma, and lymph node metastases in papillary carcinoma of the thyroid, as well as a more aggressive phenotype in carcinoma of the cervix.

Application Notes

Optimal dilution of the p27Kip1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human CDKN1B protein was used as the immunogen for the p27Kip1 antibody.

Storage

Aliquot the p27Kip1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.