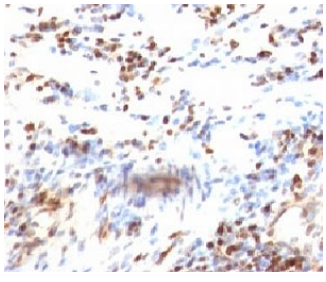
p27Kip1 Antibody [clone KIP1/769] (V2436)

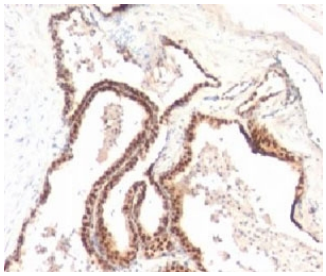
Catalog No.	Formulation	Size
V2436-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2436-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2436SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2436IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

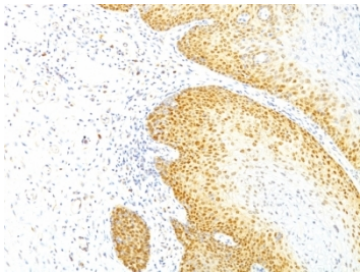
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KIP1/769
Purity	Protein G affinity chromatography
UniProt	P46527
Localization	Nuclear
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This p27Kip1 antibody is available for research use only.



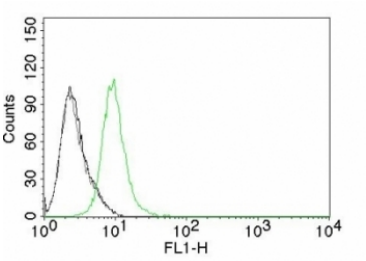
IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with p27Kip1 antibody (clone KIP1/769).



IHC: Formalin-fixed, paraffin-embedded human prostate cancer stained with p27Kip1 antibody (clone KIP1/769).

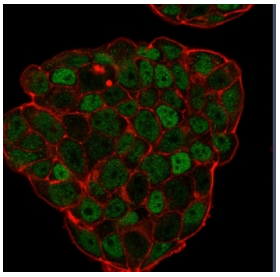


IHC: Formalin-fixed, paraffin-embedded human cervical cancer stained with p27Kip1 (clone KIP1/769).

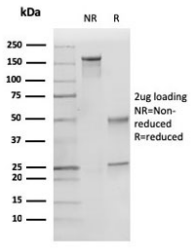


Flow cytometry testing of Jurkat cells. Black: cells alone; Grey: isotype control; Green: Alexa Fluor 488-labeled p27Kip1 antibody (clone KIP1/769).

IHC: Formalin-fixed, paraffin-embedded rat colon stained with p27Kip1 antibody (clone KIP1/769).



Immunofluorescent staining of PFA-fixed human MCF7 cells with p27Kip1 antibody (clone KIP1/769, green) and Phalloidin (red).



SDS-PAGE analysis of purified, BSA-free p27Kip1 antibody (clone KIP1/769) as confirmation of integrity and purity.

Description

This mAb recognizes a 27kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. It is highly specific and shows no cross-reaction with other related mitotic inhibitors. p27Kip1 functions as a negative regulator of G1 progression and has been proposed to function as a possible mediator of TGF- induced G1 arrest. p27Kip1 is a candidate tumor suppressor gene. This mAb is excellent for staining of formalin-fixed tissues.

Application Notes

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

1. 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 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein was used as the immunogen for the p27Kip1 antibody.

Storage

Store the p27Kip1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).