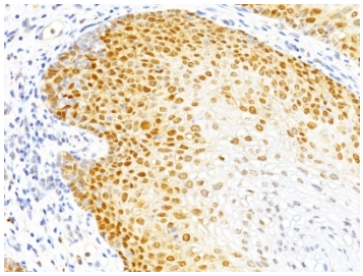
p27 Antibody [clone DCS-72.F6] (V2437)

Catalog No.	Formulation	Size
V2437-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2437-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2437SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2437IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

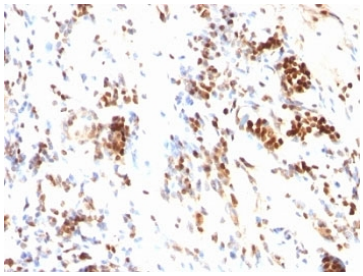
Citations (6)

Bulk quote request

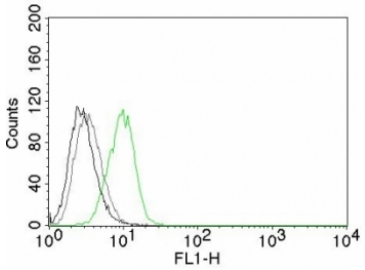
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	DCS-72.F6
Purity	Protein G affinity chromatography
UniProt	P46527
Localization	Nuclear
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This p27 antibody is available for research use only.



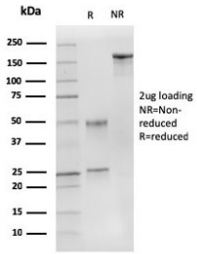
IHC: Formalin-fixed, paraffin-embedded human cervical cancer stained with p27 antibody (DCS-72.F6)



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with p27 antibody (DCS-72.F6)



Flow cytometry testing of HeLa cells. Black: cells alone; Grey: isotype control; Green: AF488-labeled p27 antibody (DCS-72.F6).



SDS-PAGE analysis of purified, BSA-free p27 antibody (clone DCS-72.F6) as confirmation of integrity and purity.

Description

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 co-precipitates cdk4 in complex p27Kip1 and is excellent for staining of formalin-fixed tissues.

Application Notes

Optimal dilution of the p27 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

Mouse recombinant protein was used as the immunogen for the p27 antibody. The epitope has been localized to amino acids 83-204.

Storage

Store the p27 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).