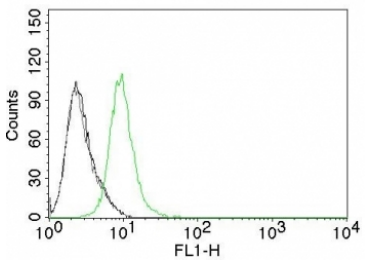
p27K1 Antibody KIP1/769 CF488 Conjugate [clone KIP1/769] (V2436CF488)

Catalog No.	Formulation	Size
V2436CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	CF488 Conjugate
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: 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence: 1-2ug/ml
Limitations	This p27K1 Antibody KIP1/769 CF488 Conjugate is available for research use only.



Flow cytometry testing of permeabilized human Jurkat cells. Black: cells alone; Grey: isotype control; Green: p27Kip1 antibody (clone KIP1/769).

Description

p27K1 Antibody KIP1/769 CF488 Conjugate 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. In Western blotting of cell lysates from 7 human breast cancer cell lines (ZR75-1, ZR75-30, MCF-7, MDAMB453, T47D, CAL51, 734B), the antibody labels a single band corresponding to p27Kip1. It 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. 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.

For additional research options, explore our highly published p27Kip1 Antibody SX53G8, a well-established monoclonal antibody targeting CDKN1B.

Application Notes

Optimal dilution of the p27K1 Antibody KIP1/769 CF488 Conjugate should be determined by the researcher.

Immunogen

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

Storage

Store the p27K1 antibody at 2-8oC, protected from light.

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