

36-2026: Anti-p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Monoclonal Antibody (Clone: SX53G8)-CF488

Clonality :	Monoclonal
Clone Name :	SX53G8
Application :	FACS,IF
Reactivity :	Human, Mouse, Rat
Conjugate :	CF488
Gene :	CDKN1B
Gene ID :	1027
Uniprot ID :	P46527
Alternative Name :	CDKN1B, CDKN4, Cyclin Dependent Kinase Inhibitor 1B, Cyclin-dependent kinase inhibitor p27 Kip1, KIP1, MEN1B, MEN4
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Purified GST-p27 fusion protein of human origin

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. 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.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

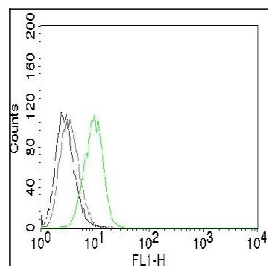


Fig.1: Flow Cytometry of human p27 on HeLa cells. Black: cells alone; Grey: Isotype Control; Green: CF488-labeled p27 Monoclonal Antibody (SX53G8).