

Datasheet for ABIN6939047

**anti-CDKN1B antibody**

## 4 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CDKN1B
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CDKN1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Immunogen:	Recombinant full-length Mouse p27 protein
Clone:	DCS-72-F6
Isotype:	IgG1
Specificity:	Recognizes a 27 kDa protein, identified as the p27Kip1, a cell cycle regulatory mitotic inhibitor. Its epitope spans between aa 83-204 of p27. 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.
Cross-Reactivity (Details):	Human, Monkey, Mouse, Rat,
Purification:	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G.

## Target Details

Target:	CDKN1B
Alternative Name:	CDKN1B ( <a href="#">CDKN1B Products</a> )
Background:	CDKN1B, CDKN4, Cyclin Dependent Kinase Inhibitor 1B, Cyclin-dependent kinase inhibitor p27 Kip1, KIP1, MEN1B, MEN4,p27Kip1 (Mitotic Inhibitor/Suppressor Protein) Cellular localisation: Nuclear
Molecular Weight:	25-26kDa
Gene ID:	1027, 238990
UniProt:	<a href="#">P46527</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Synthesis of DNA</a> , <a href="#">Autophagy</a>

## Application Details

Application Notes:	Positive Control: ZR75, T47D, SK-BR-3, MDA-MB-231, HeLa or MCF7 cells. Tonsil, Breast, Cervical or Colon Carcinoma. Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

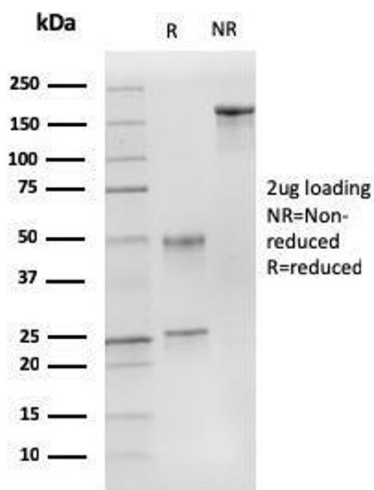
## Handling

Concentration:	200 µg/mL
Buffer:	Prepared in 10 mM PBS with 0.05 % BSA and 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8 °C. Antibody is stable for 24 months. Non-hazardous. Also

available WITHOUT BSA & azide at 1.0mg/ml.

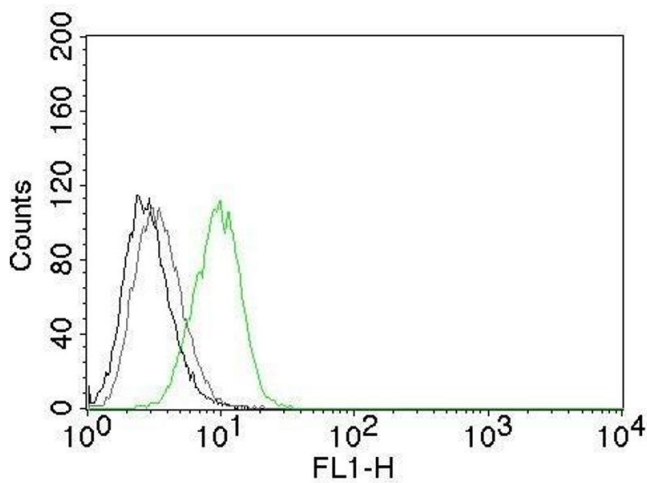
Expiry Date: 24 months

Images



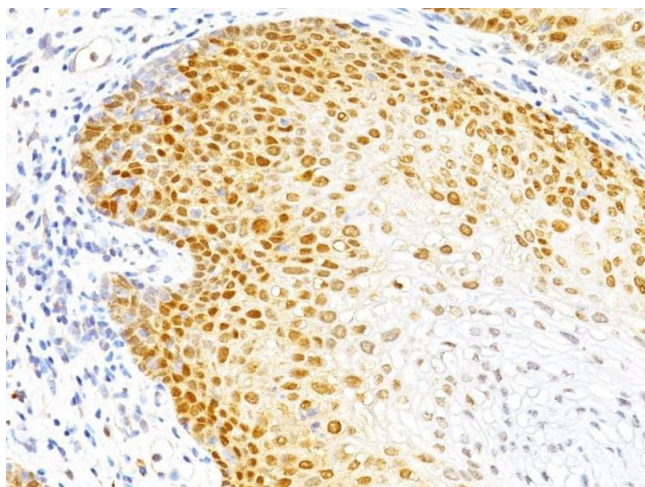
SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified p27 MAb (DCS-72.F6).  
Confirmation of Purity and Integrity of Antibody.



Flow Cytometry

**Image 2.** Flow Cytometry of human p27 on HeLa cells.  
Black: cells alone; Grey: Isotype Control; Green: AF488-labeled p27 Monoclonal Antibody (DCS-72.F6).



Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Cervical Cancer stained with p27 Monoclonal Antibody (DCS-72.F6)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939047.