

## p27 Kip1 Monoclonal Antibody (DCS-72.F6)

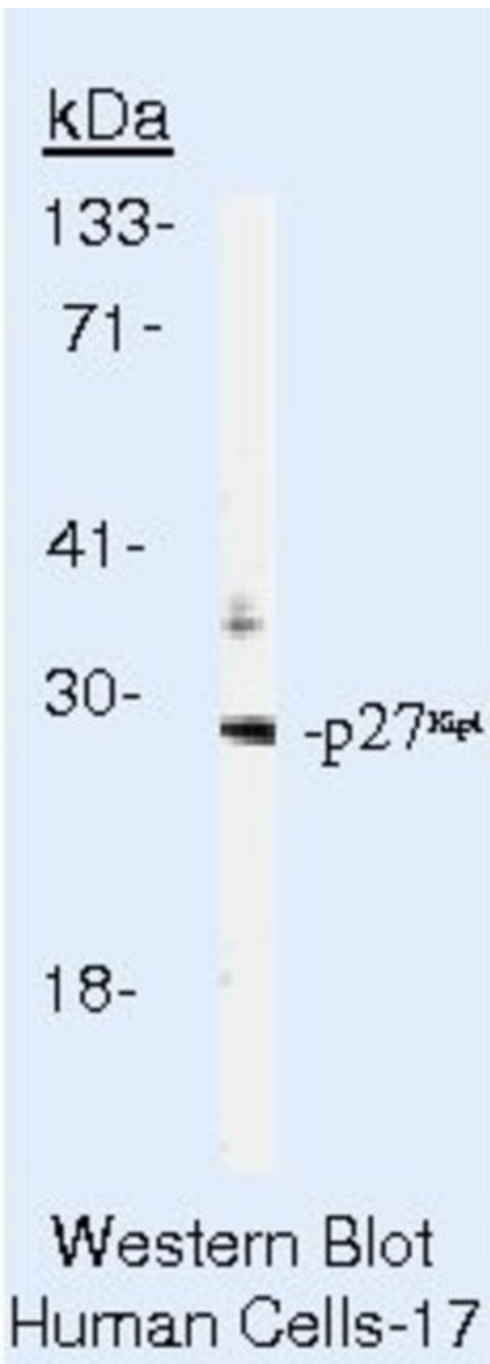
Product Details	
Size	100 µg
Species	Dog, Human, Mouse, Rat
Published Species	Human, Mouse
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	DCS-72.F6
Conjugate	Unconjugated
Immunogen	Mouse recombinant p27Kip1 protein.
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	15mM sodium azide
Storage Conditions	4° C
RRID	AB_2536379

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	-
Immunofluorescence (IF)	Assay Dependent	2 Publications
Immunohistochemistry (IHC)	Assay Dependent	2 Publications
Immunoprecipitation (IP)	Assay-Dependent	-
Western Blot (WB)	Assay-Dependent	7 Publications
Immunocytochemistry (ICC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

### Product Images For p27 Kip1 Monoclonal Antibody (DCS-72.F6)

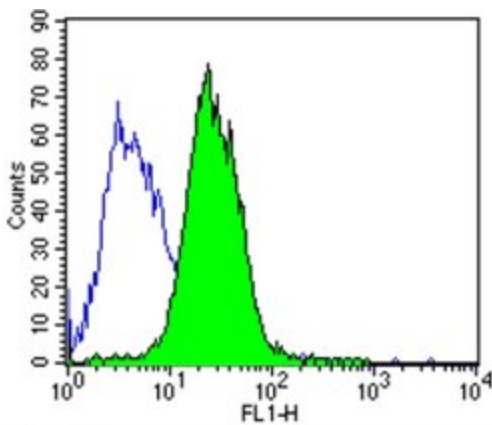
### p27 Kip1 Antibody (AHZ0452) in WB

Western blot analysis of P27Kip1/CDKN1B in LS174T cells using a P27Kip1/CDKN1B monoclonal antibody (Product # AHZ0452).

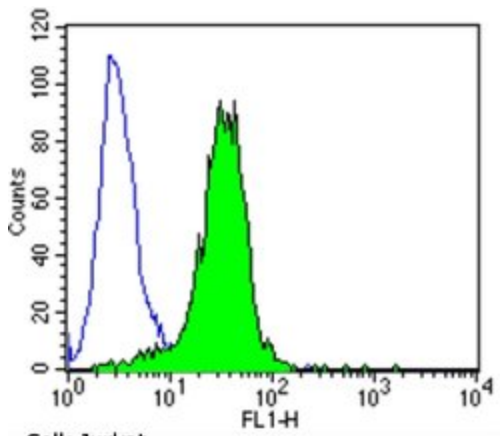


### p27 Kip1 Antibody (AHZ0452) in Flow

Flow cytometry analysis of p27Kip1 in NIH-3T3 cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of  $1-5 \times 10^6$  cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a p27Kip1 monoclonal antibody (Product # AHZ0452) at a dilution of 2  $\mu$ g/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.



Cell: 3T3  
Concentration: 2  $\mu$ g/test (100  $\mu$ l)  
Theory location : Nucleus



### p27 Kip1 Antibody (AHZ0452) in Flow

Flow cytometry analysis of p27Kip1 in Jurkat cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of  $1-5 \times 10^6$  cells/mL, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a p27Kip1 monoclonal antibody (Product # AHZ0452) at a dilution of 2  $\mu$ g/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.

Cell: Jurkat  
Concentration: 2  $\mu$ g/test (100  $\mu$ l)  
Theory location : Nucleus

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## Immunofluorescence (2)

Journal of oral and maxillofacial pathology : JOMFP

### Evaluating the expression of p16 and p27 in oral epithelial dysplasias and oral squamous cell carcinoma: A diagnostic marker for carcinogenesis.

"AHZ0452 was used in Immunohistochemistry-immunofluorescence to demonstrate that p16 and p27 could be used as a diagnostic marker for predicting carcinogenesis in epithelial dysplasia."

Authors: Thambiah LJ, Bindushree RV, Anjum A, Pugazhendi SK, Babu L, Nair RP

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

Developmental biology

### Shp2 acts downstream of SDF-1alpha/CXCR4 in guiding granule cell migration during cerebellar development.

"AHZ0452 was used in immunohistochemistry - paraffin section to determine the role of Shp2 in brain development"

Authors: Hagihara K, Zhang EE, Ke YH, Liu G, Liu JJ, Rao Y, Feng GS

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2009

## Immunohistochemistry (2)

Journal of oral and maxillofacial pathology : JOMFP

### Evaluating the expression of p16 and p27 in oral epithelial dysplasias and oral squamous cell carcinoma: A diagnostic marker for carcinogenesis.

"AHZ0452 was used in Immunohistochemistry-immunofluorescence to demonstrate that p16 and p27 could be used as a diagnostic marker for predicting carcinogenesis in epithelial dysplasia."

Authors: Thambiah LJ, Bindushree RV, Anjum A, Pugazhendi SK, Babu L, Nair RP

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

Proceedings of the National Academy of Sciences of the United States of America

### Injury-independent induction of reactive gliosis in retina by loss of function of the LIM homeodomain transcription factor Lhx2.

Authors: de Melo J, Miki K, Rattner A, Smallwood P, Zibetti C, Hirokawa K, Monuki ES, Campochiaro PA, Blackshaw S

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2012

## More applications with references on thermofisher.com

WB (7)

ICC (1)

Misc (1)

IHC (P) (2)

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