

p14ARF Monoclonal Antibody (14P02 (DCS-240))

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Fruit fly, Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	14P02 (DCS-240)
Conjugate	Unconjugated
Immunogen	Recombinant p14ARF protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_11001591

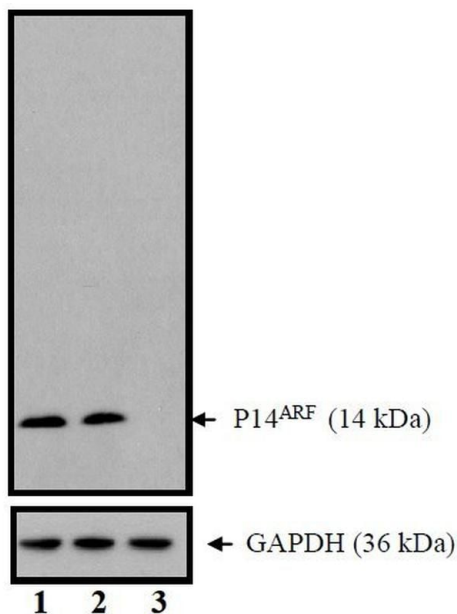
Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	1:10-1:200	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1:200	1 Publication
Immunoprecipitation (IP)	✓	2 µg/mL	3 Publications
Western Blot (WB)	✓	2-4 µg/mL	8 Publications
Immunohistochemistry (IHC)	-	1:3000	4 Publications
Immunofluorescence (IF)	✓	1:10-1:200	

Product Specific Information

MA5-14260 targets p14ARF/p16beta in ICC/IF, IP, and WB applications and shows reactivity with Human samples.

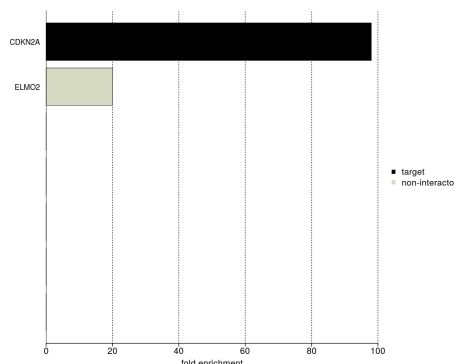
The MA5-14260 immunogen is recombinant p14ARF protein.

Advanced Verification Data



p14ARF Antibody (MA5-14260)

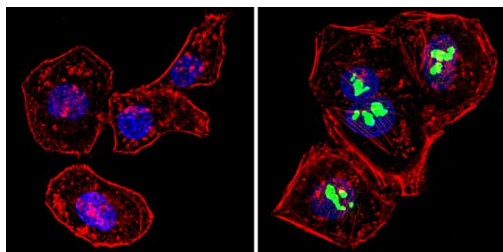
The specificity of anti-CDKN2A monoclonal antibody (Product # MA5-14260) was demonstrated by siRNA knockdown. Western blot analysis of HeLa cell extracts using this antibody showed decreased level of CDKN2A (p14ARF) protein expression in cells transfected with Ezrin (VIL-2) specific siRNA (lane 3) but not in controls (lane 1 and 2). KnockDown validation info.



p14ARF Antibody (MA5-14260)

IP-MS enrichment of CDKN2A (LFQ intensity): CDKN2A was enriched 98-fold from BT549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CDKN2A antibody (Product # MA5-14260). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For p14ARF Monoclonal Antibody (14P02 (DCS-240))



p14ARF Antibody (MA5-14260) in IF

Immunofluorescent analysis of p14ARF/p16beta (green) showing staining in the nucleus of HeLa cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a p14ARF/p16beta monoclonal antibody (Product # MA5-14260) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

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Immunocytochemistry (6)

Oncotarget

MMP7 interacts with ARF in nucleus to potentiate tumor microenvironments for prostate cancer progression in vivo.

"MA514260 was used in immunocytochemistry and western blot to explore the interaction between ARF and MMP7 in prostate cancer"

Authors: Xie Y, Lu W, Liu S, Yang Q, Goodwin JS, Sathyanarayana SA, Pratap S, Chen Z

Species
Human

Dilution
1:200

Year
2016

Biochemical and biophysical research communications

Ebp1 is a dsRNA-binding protein associated with ribosomes that modulates eIF2alpha phosphorylation.

"MA5-14260 was used in immunocytochemistry to characterize the localization of Ebp1 and its function"

Authors: Squatrito M, Mancino M, Sala L, Draetta GF

Species
Human

Dilution
Not Cited

Year
2006

[View more ICC references on thermofisher.com](#)

Immunohistochemistry (Paraffin) (1)

International journal of gynecological pathology : official journal of the International Society of Gynecological Pathologists

A patient with a noninvasive mucinous ovarian borderline tumor presenting with late pleural metastases.

"MA5-14260 was used in immunohistochemistry - paraffin section to describe a patient diagnosed with a noninvasive intestinal-type mucinous ovarian borderline tumor presenting with pleural metastases"

Authors: Simons M, Nagtegaal ID, Overbeek LI, Flucke U, Massuger LF, Bulten J

Species
Human

Dilution
1:200

Year
2015

Immunoprecipitation (3)

PloS one

Mimicking p14ARF phosphorylation influences its ability to restrain cell proliferation.

"MA5-14260 was used in immunoprecipitation and western blot to report that p14ARF is a PKC target"

Authors: Vivo M, Ranieri M, Sansone F, Santoriello C, Calogero RA, Calabrò V, Pollice A, La Mantia G

Species
Not Applicable

Dilution
Not Cited

Year
2013

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More applications with references on thermofisher.com

WB (8) **IHC (4)**

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