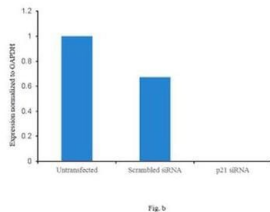
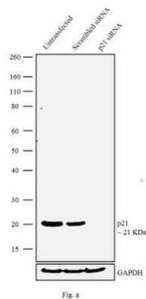


p21 Monoclonal Antibody (EA10)

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	EA10
Conjugate	Unconjugated
Immunogen	Full length recombinant human p21Cip1/WAF1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533135

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	9 Publications
Immunohistochemistry (IHC)	Assay-dependent	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	2 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	3 Publications

Product Images For p21 Monoclonal Antibody (EA10)

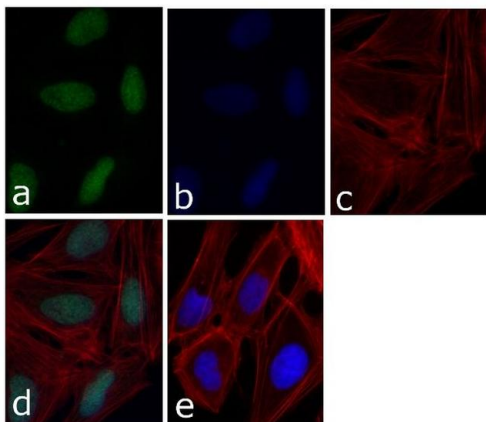


p21 Antibody (33-7000)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with p21 siRNA and loss of signal was observed in Western Blot using anti-p21 Monoclonal Antibody (EA10) (Product # 33-7000). {KD}

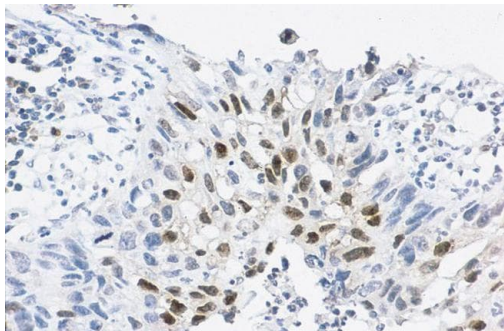
p21 Antibody (33-7000) in ICC/IF

Immunofluorescent analysis of p21 was done on 70% confluent log phase U2OS cells. The cells were fixed with 4% paraformaldehyde for 15 minutes; permeabilized with 0.25% Triton™ X-100 for 10 minutes followed by blocking with 5% BSA for 1 hour at room temperature. The cells were incubated with p21 Mouse Monoclonal Antibody (Product # 33-7000) at 2 µg - 4 µg in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor® 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 594 Phalloidin (Product # A12381). Panel d is a merged image showing nuclear localization of p21. Panel e shows no primary antibody. The images were captured at 20X magnification.



p21 Antibody (33-7000) in IHC

Mouse anti-p21 (EA10) stained lung squamous cell carcinoma.



[View more figures on thermofisher.com](https://www.thermofisher.com)

21 References

Western Blot (9)

OncoTargets and therapy

CCNB1 Expedites the Progression of Cervical Squamous Cell Carcinoma via the Regulation by FOXM1.

"33-7000 was used in Western Blotting to explore the mechanism underlying CCNB1 regulation on cell cycle progression in cervical squamous cell carcinoma."

Authors: Li S,Liu N,Piao J,Meng F,Li Y

Species
Human

Dilution
1:1000

Year
2022

Cell reports. Medicine

Increased p53 signaling impairs neural differentiation in HUWE1-promoted intellectual disabilities.

"33-7000 was used in Western Blot to suggest that increased p53 signaling underlies HUWE1-promoted syndromes and impairs XLID JMS neural differentiation."

Authors: Aprigliano R,Aksu ME,Bradamante S,Mihaljevic B,Wang W,Rian K,Montaldo NP,Grooms KM,Fordyce Martin SL,Bordin DL,Bosshard M,Peng Y,Alexov E,Skinner C,Liabakk NB,Sullivan GJ,Bjørås M,Schwartz CE,van Loon B

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2021

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

Immunohistochemistry (3)

Cell metabolism

Generation of Human Fatty Livers Using Custom-Engineered Induced Pluripotent Stem Cells with Modifiable SIRT1 Metabolism.

"33-7000 was used in Immunohistochemistry-immunofluorescence to generate human induced pluripotent stem cells with controllable expression of SIRT1 to model human fatty livers."

Authors: Collin de l'Hortet A,Takeishi K,Guzman-Lepe J,Morita K,Achreja A,Popovic B,Wang Y,Handa K,Mittal A,Meurs N,Zhu Z,Weinberg F,Salomon M,Fox JJ,Deng CX,Nagrath D,Soto-Gutierrez A

Species
Human

Dilution
Not Cited

Year
2019

Molecular vision

Optimization of immunolocalization of cell cycle proteins in human corneal endothelial cells.

"33-7000 was used in immunohistochemistry to optimize immunolocalization for endothelial cells of flat-mounted human corneas to study the expression of cell cycle-related proteins"

Authors: He Z,Campolmi N,Ha Thi BM,Dumollard JM,Peoc'h M,Garraud O,Piselli S,Gain P,Thuret G

Species
Not Applicable

Dilution
1:200

Year
2012

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

More applications with references on thermofisher.com

[IHC \(P\) \(3\)](#)

[IHC \(F\) \(1\)](#)

[ICC/IF \(2\)](#)

[Misc \(3\)](#)

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