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Anti-p21 CDKN1A Rabbit Monoclonal Antibody

Catalog Number: M00145-3

Overview

Product Name	Anti-p21 CDKN1A Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-p21 CDKN1A Rabbit Monoclonal Antibody catalog # M00145-3. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal ACG-3
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P38936

Technical Details

Immunogen	A synthesized peptide derived from human p21
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50

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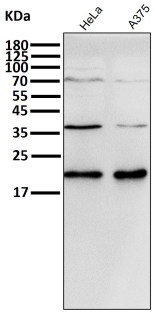
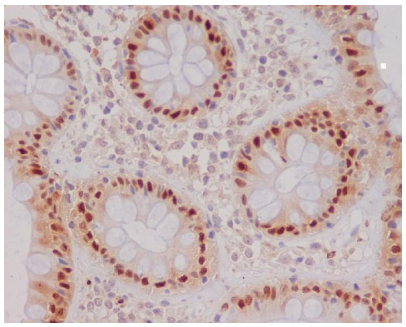
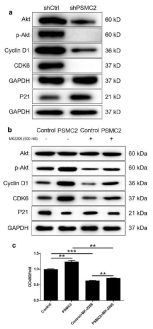
Anti-p21 CDKN1A Rabbit Monoclonal Antibody (M00145-3) Images



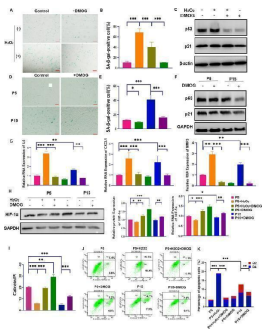
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human colon, using p21 Antibody.



Exploration of mechanism underlying PSMC2-induced regulation of prostate cancer. a The expression levels of Akt, p-Akt, CDK6, Cyclin D1 and P21 detected by western blotting in PC-3 cells of shCtrl and shPSMC2 groups. b The expression levels of Akt, p-Akt, CDK6, Cyclin D1 and P21 detected by western blotting in PC-3 cells of Control and PSMC2 overexpression groups with or without treatment of MK-2206 (500 nM). c MTT assay was performed to assess the cell proliferation rate of PC-3 cells of Control and PSMC2 overexpression groups with or without treatment of MK-2206 (500 nM). Results were presented as mean ± SD. * P



Short-term DMOG treatment reduces MSC senescence by activating HIF-1alpha and decreasing apoptosis. (A , B) Representative images of SA-beta-gal staining showing the proportion of senescent cells in H_2O_2-treated MSCs before and after DMOG treatment. Scale bar = 500 um. (C) Western blot analysis of p53 and p21 protein expression during oxidative stress-induced senescence. (D , E) SA-beta-gal staining in replicative senescence (P15) MSCs, demonstrating the effect of DMOG in reducing senescence markers. Scale bar = 500 um. (F) Western blot analysis of p53 and p21 protein levels in P5 (young) and P15 (senescent) MSCs. (G) Expression levels of senescence-associated genes (IL6, CXCL1, and MMP3) in both senescence models as assessed by qRT-PCR. (H) Western blotting and qPCR analysis showing increased HIF-1alpha protein and mRNA levels in both senescence models after DMOG treatment. (I) Calcein/PI live-dead staining revealed an increase in the proportion of live cells following DMOG

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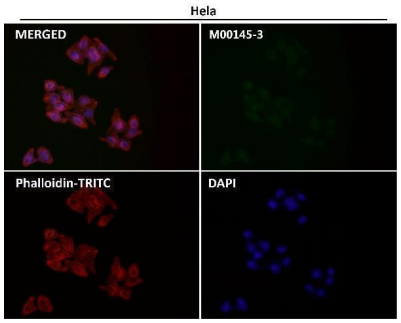
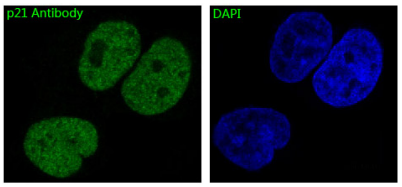
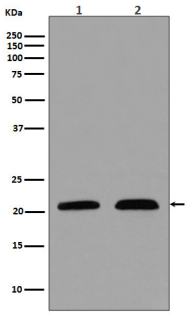
treatment in both senescence models. (J , K) Flow cytometric analysis of apoptosis. Error bars represent the mean ± SD of three independent experiments. Statistical significance was set as p



Immunofluorescent analysis using the Antibody at 1:500 dilution.



Immunofluorescent analysis of MCF7 cells, using p21 Antibody .



Western blot analysis of p21 in (1) MCF-7 cell lysate; (2) LnCaP cell lysate.

4 Publications Citing This Product

1. PubMed ID: 33902600, Chen Q,Fu L,Hu J,Guo G,Xie A.Silencing of PSMC2 inhibits development and metastasis of prostate cancer through regulating proliferation, apoptosis and migration.Cancer Cell Int.2021 Apr 26;21(1):235.doi:10.1186/s12935-021-01934-8.PMID:33902600;PMCID:PMC8077794.

2. PubMed ID: 21998670, Action Mechanism of Inhibin ?-Subunit on the Development of Sertoli Cells and First Wave of Spermatogenesis in Mice

3. PubMed ID: 23563985, Wu K, Liu Y, Lv Y, Cui L, Li W, Chen J, Liang Nc, Li L. Oncol Rep. 2013 Jun;29(6):2101-8. Doi: 10.3892/Or.2013.2375. Epub 2013 Apr 3. Ent-11??-Hydroxy-15-Oxo-Kaur-16-En-19-Oic-Acid Induces Apoptosis And Cell Cycle Arrest In Cne-2Z Nasopharyngeal C...

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