BOSTER BIOLOGICAL TECHNOLOGY
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Anti-p53 TP53 Rabbit Monoclonal Antibody

Catalog Number: M00001-1

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Overview

Product Name	Anti-p53 TP53 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-p53 TP53 Rabbit Monoclonal Antibody catalog # M00001-1. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal AGC-20
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	P04637

Technical Details

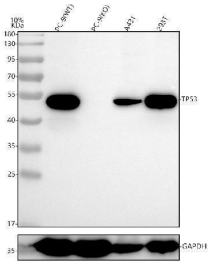
Immunogen	A synthesized peptide derived from human p53
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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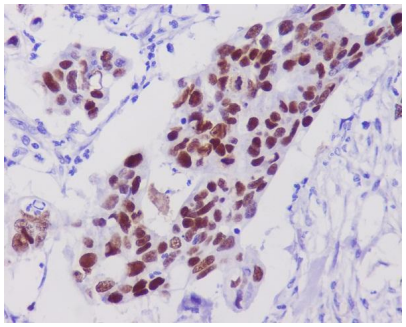
	IHC, 1:50-200 ICC/IF, 1:50-200 IP, 1:20

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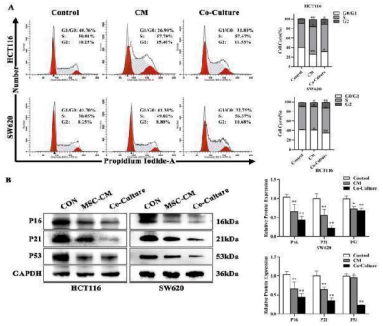
Anti-p53 TP53 Rabbit Monoclonal Antibody (M00001-1) Images



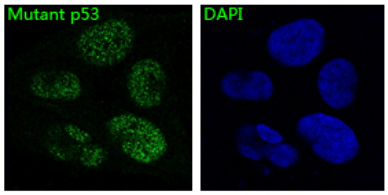
Western blot analysis of p53 using anti-p53 antibody (M00001-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human PC-9 (WT) whole cell lysates, Lane 2: human PC-9 (KO) whole cell lysates, Lane 3: human A431 whole cell lysates, Lane 4: human 293T whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-p53 antigen affinity purified monoclonal antibody (M00001-1) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for p53 at approximately 53 kDa. The expected band size for p53 is at 53 kDa.



Immunohistochemical analysis of paraffin-embedded human colon cancer, using p53 Antibody.



Indirect co-culture of MSCs regulates the CRC cell cycle. (A) CRC cell cycle distribution as assessed using flow cytometry. (B) Immunoblotting assessment of P16, P21 and P53 levels, with GAPDH as the loading control. * $P < 0.05$ compared with the control and ** $P < 0.01$ compared with the. control Index in PubMed under a CC BY license. PMID: 41063156



Immunofluorescent analysis of Hela cells, using p53 Antibody .

11 Publications Citing This Product

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1. PubMed ID: -, Jiang X,Yuan J,Dou Y,Zeng D, Xiao S.Lipopolysaccharide Affects the Proliferation and Glucose Metabolism of Cervical Cancer Cells Through the FRA1/MDM2/p53 Pathway.Int J Med Sci 2021;18(4): 1030-1038.doi:10. 7150/ijms.47360.

2. PubMed ID: 33281970, Wang P,Wang C,Liu C. Antitumor effects of dioscin in A431 cells via adjusting ATM/p53-mediated cell apoptosis, DNA damage and migration. Oncol Lett. 2021 Jan;21(1):59.doi:10.3892/ol.2020.12321.Epub 2020 Nov 19.PMID:33281970;PMCID:PMC7709553.

3. PubMed ID: 25516716, Wang Q, Xu Y, Zhou W, Zhong L, Wen Z, Yu H, Chen S, Shen J, Chen H, She Q, Jiang J, Miao J, Wei W. Int J Biol Sci. 2014 Nov 18;10(10):1181-92. Doi: 10.7150/Ijbs.10275. Ecollection 2014. The Viral Oncoprotein Hbx Of Hepatitis B Virus Promotes The G...

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Anti-p53 TP53 Rabbit Monoclonal Antibody

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