

Anti-p16 CDKN2A Monoclonal Antibody

Catalog Number: A00016-3

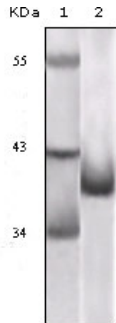
Overview

Product Name	Anti-p16 CDKN2A Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p16 CDKN2A Monoclonal Antibody catalog # A00016-3. Tested in WB, IHC, IF, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Monoclonal 1E12E1
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% stabilizing protein, 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	Mouse
Uniprot ID	Q8N726

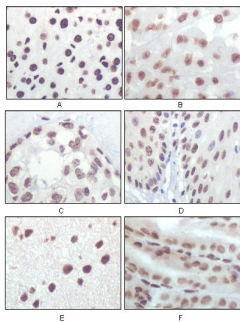
Technical Details

Immunogen	Purified recombinant fragment of p16 expressed in E. Coli.
Isotype	IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Affinity purification
Suggested Dilutions	WB 1:500-1:2000 IHC 1:200-1:1000 ELISA 1:10000 IF 1:50-200

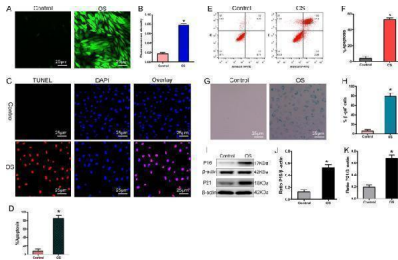
Anti-p16 CDKN2A Monoclonal Antibody (A00016-3) Images



Western blot analysis using p16 monoclonal antibody against truncated p16 recombinant protein.



Immunohistochemistry analysis of paraffin-embedded rat liver tissue (A), human brain tumor (B), breast cancer (C), esophageal epithelium tissue (D), mouse brain tissue (E) and stomach tissue (F), showing nuclear localization with DAB staining using p16 Mon



Accumulation of damaged mitochondria led to stress-induced apoptosis and senescence. a, b 2',7'-Dichlorofluorescein diacetate (DCFH-DA) detection of reactive oxygen species (ROS; n = 4). c, d TUNEL-DAPI detection of deoxyribonucleic acid (DNA) damage and apoptosis (n = 4). e, f Annexin V-FITC and propidium iodide (PI) detection of apoptosis (n = 4). g, h Detection of beta-gal activity by beta-gal staining (n = 4). i - k Western blot analysis of P16 and P21 expression (n = 3). In (b), (d), (f), (h), and (j - k), data are presented as means \pm SD. Statistical significances were calculated by Student's t test. Data were compared with the control group: * P

3 Publications Citing This Product

1. PubMed ID: 10.1038/s41419-020-2238-1, P53 and Parkin co-regulate mitophagy in bone marrow mesenchymal stem cells to promote the repair of early steroid-induced osteonecrosis of the femoral head
2. PubMed ID: 30070315, Expression of p16 protein in infantile hemangioma
3. PubMed ID: 22228178, Song Lj, Liu Rj, Zeng Z, Alper SI, Cui Hj, Lu Y, Zheng L, Yan Zw, Fu Gh. J Mol Med (Berl). 2012 Jun;90(6):707-18. Doi: 10.1007/S00109-011-0851-2. Epub 2012 Jan 7. Gastrin Inhibits A Novel, Pathological Colon Cancer Signaling Pathway Involving Egr1...

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