

Anti-CDK6 Antibody (Monoclonal, DCS-90)

Catalog Number: MA1021

About CDK6

The cyclin-dependent protein kinases (CDKs) regulate major cell cycle transitions in eukaryotic cells. Cyclin-dependent kinase-6 (CDK6) is the earliest inducible member of the CDK family in human T lymphocytes, involved in growth factor stimulation and cell cycle progression. Germline mutations in CDK6 do not make a significant contribution to melanoma predisposition. CDK6 gene is mapped at 7q21-q22.

Overview

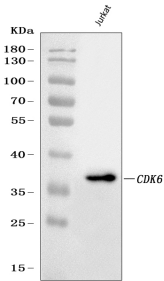
Product Name	Anti-CDK6 Antibody (Monoclonal, DCS-90)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CDK6 Antibody (Monoclonal, DCS-90) catalog # MA1021. Tested in ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ICC, WB
Clonality	Monoclonal DCS-90
Formulation	Mouse IgG in stabilizing components, 1.2% sodium acetate and 0.01mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	F1MA87

Technical Details

Immunogen	Recombinant human Cdk6 protein.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites
Suggested Dilutions	Immunocytochemistry , 1ug/ml, Human, mouse, rat, - Western blot, 0.5-1ug/ml, Human, mouse, rat

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Anti-CDK6 Antibody (Monoclonal, DCS-90) (MA1021) Images



Western blot analysis of CDK6 using anti-CDK6 antibody (MA1021). 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 Jurkat 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 mouse anti-CDK6 antigen affinity purified monoclonal antibody (Catalog # MA1021) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001) with Tanon 5200 system. A specific band was detected for CDK6 at approximately 37 kDa. The expected band size for CDK6 is at 37 kDa.

4 Publications Citing This Product

1. PubMed ID: 34144025, Sun D,Zhao T,Long K,Wu M,Zhang Z.Triclosan down-regulates fatty acid synthase through microRNAs in HepG2 cells.Eur J Pharmacol .2021 Jun 15:174261.doi:10.1016/j.ejphar.2021.174261.Epub ahead of print.PMID:34144025.
2. PubMed ID: 25734831, Ren J, Huang Q, Xu Y, Yang M, Yang J, Hu K. Anticancer Drugs. 2015 Jul;26(6):599-611. Doi: 10.1097/Cad.0000000000000224. Isoflavone Lupiwighteone Induces Cytotoxic, Apoptotic, And Antiangiogenic Activities In Du-145 Prostate Cancer Cells.
3. PubMed ID: 26822763, Long noncoding RNA NEAT1 promotes laryngeal squamous cell cancer through regulating miR-107/CDK6 pathway

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