

Anti-Cyclin A1/A2 Rabbit Monoclonal Antibody

Catalog Number: M00700

About CCNA2

Dynamin-related GTPase required for mitochondrial fusion and regulation of apoptosis. May form a diffusion barrier for proteins stored in mitochondrial cristae. Proteolytic processing in response to intrinsic apoptotic signals may lead to disassembly of OPA1 oligomers and release of the caspase activator cytochrome C (CYCS) into the mitochondrial intermembrane space.

Overview

Product Name	Anti-Cyclin A1/A2 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Cyclin A1/A2 Rabbit Monoclonal Antibody catalog # M00700. Tested in WB, IHC, IP applications. This antibody reacts with Human.
Application	IP, IHC, WB
Clonality	Monoclonal HOD-3
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	P20248/P78396

Technical Details

Immunogen	A synthesized peptide derived from human Cyclin A1/A2
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:1000 IHC 1:100-1:500 IP 1:50
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Anti-Cyclin A1/A2 Rabbit Monoclonal Antibody (M00700) Images

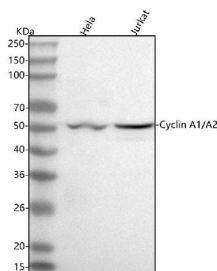
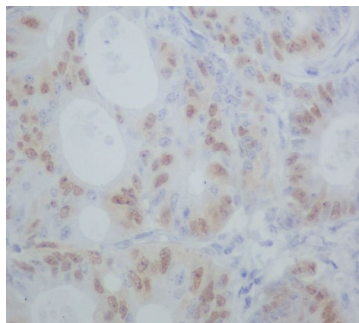


Figure 1. Western blot analysis of Cyclin A1/A2 using anti-Cyclin A1/A2 antibody (M00700). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: 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 rabbit anti-Cyclin A1/A2 antigen affinity purified monoclonal antibody (Catalog # M00700) 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 1:5000 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 Cyclin A1/A2 at approximately 55 kDa. The expected band size for Cyclin A1/A2 is at 49 kDa.



Immunohistochemical analysis of paraffin-embedded human colon cancer, using Cyclin A1/A2 Antibody.

2 Publications Citing This Product

1. PubMed ID: 31974617, Wang S,Zhang C,Zhang X.Downregulation of long non-coding RNA ANRIL promotes proliferation and migration in hypoxic human pulmonary artery smooth muscle cells.Mol Med Rep.2020 Feb;21(2):589-596.doi:10.3892/mmr.2019.10887.Epub 2019 Dec 17.PMID:31974617; PMC
2. PubMed ID: 25918708, Wang C, Ge Q, Chen Z, Hu J, Li F, Song X, Xu H, Ye Z. Biomed Res Int. 2015;2015:304753. Doi: 10.1155/2015/304753. Epub 2015 Mar 30. A New Double Stranded Rna Suppresses Bladder Cancer Development By Upregulating P21 (Waf1/Cip1) Expression.

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