

Anti-Cdk7/CAK Antibody (Monoclonal, MO-1.1)

Catalog Number: MA1022

About Cdk7

CDK-activating kinases (CAKs) are multisubunit proteins that phosphorylate and thus activate certain cyclin-dependent protein kinases in the regulation of cell cycle progression. Cyclin dependent kinase7 (CDK7) gene is mapped to chromosome 2p15-cen. CDK7 functions in both cyclin binding and T-loop phosphorylation and that these 2 steps of CDK1 activation are mutually dependent.

Overview

Product Name	Anti-Cdk7/CAK Antibody (Monoclonal, MO-1.1)
Reactive Species	Human
Description	Boster Bio Anti-Cdk7/CAK Antibody (Monoclonal, MO-1.1) catalog # MA1022. Tested in IHC, ICC, WB applications. This antibody reacts with Human.
Application	IHC, ICC, WB
Clonality	Monoclonal MO-1.1
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
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	P51952

Technical Details

Immunogen	Recombinant human Cdk7 protein.
Predicted Reactive Species	Monkey
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 IHC(F) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG2b
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

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:

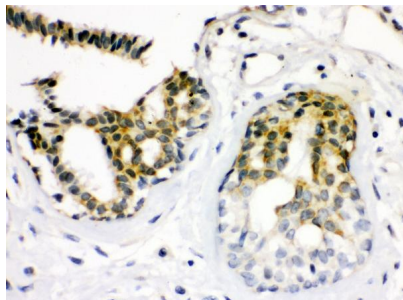
Boster Bio's internal QC testing used:

Immunocytochemistry , 1ug/ml, Human, -

Immunohistochemistry (Frozen Section), 0.5ug/ml, Human, -

Western blot, 0.25ug/ml, Human

Anti-Cdk7/CAK Antibody (Monoclonal, MO-1.1) (MA1022) Images



Anti-Cdk7/CAK antibody (monoclonal), MA1022, IHC(P)
IHC(P): Human Breast Tissue

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