
Product Name: CDKN1B Mouse Monoclonal Antibody**Catalog #: AMM85962**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:500
Molecular Weight	22.1kDa

Antigen Information

Gene Name	CDKN1B
Alternative Names	Cyclin-dependent kinase inhibitor 1B, Cyclin-dependent kinase inhibitor p27, p27Kip1, CDKN1B, KIP1
Gene ID	1027.0
SwissProt ID	P46527
Immunogen	This CDKN1B antibody is generated from a mouse immunized with CDKN1B recombinant protein.

Background

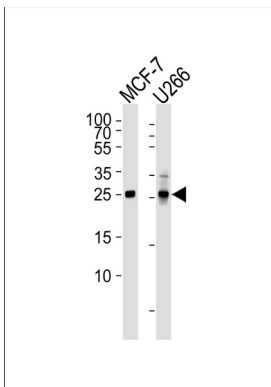
Important regulator of cell cycle progression. Involved in G1 arrest. Potent inhibitor of cyclin E- and cyclin A-CDK2 complexes.

Forms a complex with cyclin type D-CDK4 complexes and is involved in the assembly, stability, and modulation of CCND1-CDK4 complex activation. Acts either as an inhibitor or an activator of cyclin type D-CDK4 complexes depending on its phosphorylation state and/or stoichiometry.

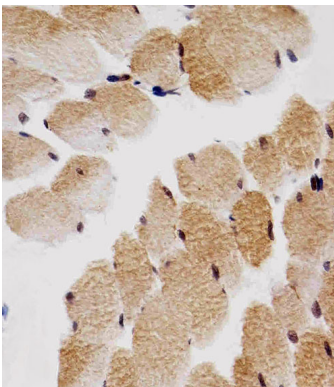
Research Area

PI3K-Akt signaling pathway

Image Data



Western blot analysis of lysates from MCF-7, U266 cell line (from left to right), using CDKN1B Antibody. CDKN1B Mouse Monoclonal Antibody was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35µg per lane.



Immunohistochemical analysis of paraffin-embedded H. skeletal muscle section using CDKN1B Antibody(Cat#AMM85962). AMM85962 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.