

Product datasheet for **AM06442SU-N**

p27 KIP 1 (CDKN1B) Mouse Monoclonal Antibody [Clone ID: 3D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D8
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CDKN1B expressed in E. Coli.
Specificity:	This antibody reacts to CDKN1B.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	22 kDa
Gene Name:	cyclin-dependent kinase inhibitor 1B
Database Link:	Entrez Gene 1027 Human P46527



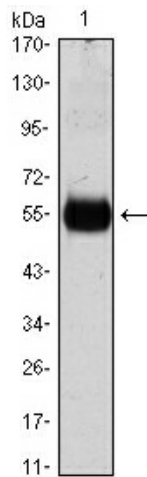
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Background:

p27 KIP 1 is a cell cycle regulatory mitotic inhibitor of cdk activity. p27 KIP 1 is a candidate tumor suppressor gene, and has been proposed to function as a possible mediator of TGF beta induced G1 arrest. p27 KIP 1 is up regulated in response to antimitogenic stimuli. The increased protein expression of p27 results in cellular arrest by binding to cyclin/Cdk complexes such as cyclin D1/Cdk4. Decreased levels of p27Kip1, mainly due to proteosomal degradation, are found in various epithelial tumors originating from lung, breast, colon, ovary, esophagus, thyroid and prostate. Tissue specificity: Expressed in all tissues tested. Highest levels in skeletal muscle, lowest in liver and kidney.

Synonyms:

p27Kip1

Product images:

Western blot analysis using CDKN1B mAb against CDKN1B (AA: 1-198)-hlgGfc transfected HEK293 cell lysate.