

P27 Kip1 (1A7) Mouse Monoclonal Antibody

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Catalog # AP93409

Product Information

Application	IHC-P, WB
Primary Accession	P45627
Reactivity	Human, Mouse, Rat
Host	Monoclonal, Mouse
Clonality	Monoclonal
Calculated MW	50134

Additional Information

Other Names	Glutamine synthetase, GS, 6.3.1.2, glnA {ECO:0000303 PubMed:1359838}
Dilution	IHC-P~~N/A WB~~1:1000
Storage Conditions	-20°C

Protein Information

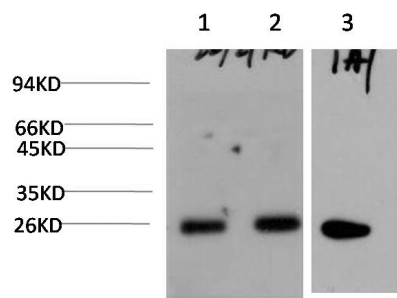
Name	glnA {ECO:0000303 PubMed:1359838}
Function	Glutamine synthetase (GS) catalyzes the ATP-dependent biosynthesis of glutamine from glutamate and ammonia. May function as a transcription coregulator and in the regulation of genes involved in nitrogen metabolism.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:P12425}.

Background

Cyclin dependent kinase inhibitor 1B(CDKN1B) Homo sapiens This gene encodes a cyclin-dependent kinase inhibitor, which shares a limited similarity with CDK inhibitor CDKN1A/p21. The encoded protein binds to and prevents the activation of cyclin E-CDK2 or cyclin D-CDK4 complexes, and thus controls the cell cycle progression at G1. The degradation of this protein, which is triggered by its CDK dependent phosphorylation and subsequent ubiquitination by SCF complexes, is required for the cellular transition from quiescence to the proliferative state.

Images

Western blot analysis of 1)MCF7 Cell, 2) HepG2 Cell, 3) C2C12 Cell Lysate using p27 Kip1 Mouse Monoclonal mAb diluted at 1:2,000.



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