

Product datasheet for **TA346911**

p27 KIP 1 (CDKN1B) Mouse Monoclonal Antibody [Clone ID: 5B4-E6-E11-A8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5B4-E6-E11-A8
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for CDKN1B antibody: purified recombinant human p27 Kip1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.03% Proclin300 and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cyclin-dependent kinase inhibitor 1B
Database Link:	NP_004055 Entrez Gene 12576 Mouse P46527
Background:	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. Mutations in this gene are associated with multiple endocrine neoplasia type IV (MEN4).
Synonyms:	CDKN4; KIP1; MEN1B; MEN4; P27KIP1

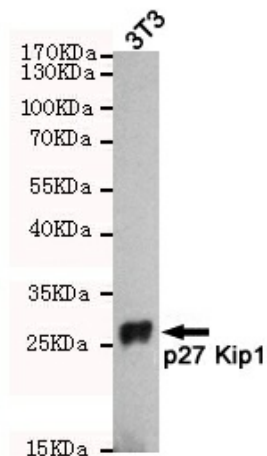


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Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Chronic myeloid leukemia, ErbB signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer

Product images:



Western blot detection of p27 Kip1 in 3T3 cell lysates using p27 Kip1 mouse mAb (1:1000 diluted). Predicted band size: 27KDa. Observed band size: 27KDa.