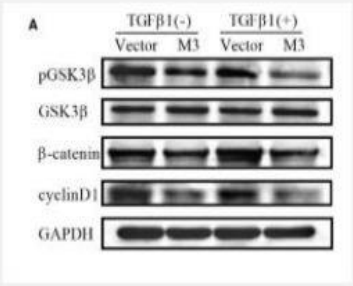
PRODUCT DATA SHEET

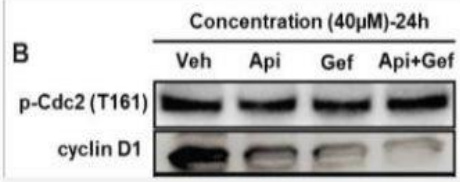
Cyclin D1 Polyclonal Antibody

Catalog No.	IPB0033
Reactivity	Human; Mouse; Rat
Applications	WB; ELISA
Dilution	WB: 1:500-1:2000 ELISA: 1:10000
Gene Name	CCND1
Protein Name	G1/S-specific cyclin-D1
Human Gene Id	595
Swiss-Prot	P24385
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Nucleus Cytoplasm Nucleus membrane Cyclin D-CDK4 complexes accumulate at the nuclear membrane and are then translocated to the nucleus through interaction with KIP:CIP family members
MW	33729
Background	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle Cyclins function as regulators of CDK kinases Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1:S transition This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis

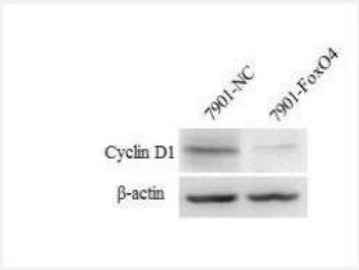
Products Images:



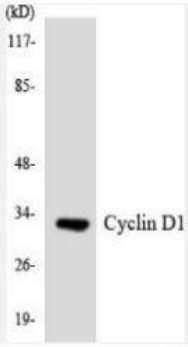
Ma, Xinqi, et al. "METTL3 attenuates proliferative vitreoretinopathy and epithelial-mesenchymal transition of retinal pigment epithelial cells via wnt/β-catenin pathway." Journal of Cellular and Molecular Medicine 25.9 (2021): 4220-4234.



Chen, Zisheng, et al. "Apigenin Combined With Gefitinib Blocks Autophagy Flux and Induces Apoptotic Cell Death Through Inhibition of HIF-1α, c-Myc, p-EGFR, and Glucose Metabolism in EGFR L858R+ T790M-Mutated H1975 Cells." Frontiers in Pharmacology 10 (2019).



Su, Linna, et al. "The transcription factor FOXO4 is down-regulated and inhibits tumor proliferation and metastasis in gastric cancer." BMC cancer 14.1 (2014): 378.



Western blot analysis of the lysates from K562 cells using Cyclin D1 antibody.