

Cyclin D1 protein

CatalogNo: YD0121

Key Features

Reactivity

- Human

Storage

Storage* -20°C/6 month, -80°C for long storage

Formulation Liquid in PBS

Recommended Dilution Ratios

Basic Information

Source E.coli

Purification E.coli

Purity SDS-PAGE >90%

Immunogen Information

Sequence Amino acid: 9-138, with his-MBP tag.

Target Information

Gene name CCND1

Protein Name

Cyclin D1 protein

Organism	Gene ID	UniProt ID
Human	595;	P24385;
Mouse		P25322;

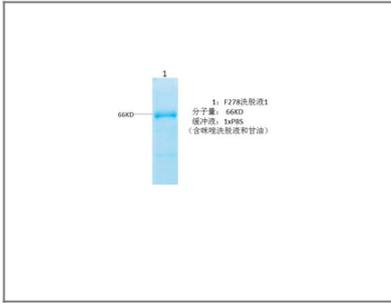
Cellular Localization

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. .

Function

cell cycle checkpoint, DNA damage checkpoint, regulation of cyclin-dependent protein kinase activity, G1/S transition of mitotic cell cycle, mitotic cell cycle, re-entry into mitotic cell cycle, liver development, regulation of protein amino acid phosphorylation, positive regulation of protein amino acid phosphorylation, reproductive developmental process, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, response to DNA damage stimulus, ER-nuclear signaling pathway, response to unfolded protein, cell cycle, mitotic cell cycle checkpoint, cell surface receptor linked signal transduction, intracellular signaling cascade, regulation of mitotic cell cycle, sex differentiation, response to nutrient, positive regulation of cell proliferation, gonad development, male gonad development, response to radiation, response to UV, response to light stimulus, response to abiotic stimulus, response to endogenous stimulus, response to hormone stimulus, negative regulation of signal transduction, response to extracellular stimulus, response to organic substance, response to inorganic substance, response to metal ion, response to iron ion, response to X-ray, response to ionizing radiation, response to organic nitrogen, positive regulation of phosphorus metabolic process, positive regulation of macromolecule metabolic process, negative regulation of cell communication, response to organic cyclic substance, Wnt receptor signaling pathway, phosphorylation, regulation of phosphate metabolic process, cell cycle process, cell cycle phase, regulation of Wnt receptor signaling pathway, negative regulation of Wnt receptor signaling pathway, regulation of epithelial cell differentiation, negative regulation of epithelial cell differentiation, endoplasmic reticulum unfolded protein response, regeneration, organ regeneration, regulation of protein modification process, positive regulation of protein modification process, DNA integrity checkpoint, G1 DNA damage checkpoint, G1/S transition checkpoint, response to nutrient levels, response to corticosteroid stimulus, response to magnesium ion, regulation of cellular protein metabolic process, positive regulation of cellular protein metabolic process, response to vitamin E, response to vitamin, Leydig cell differentiation, cellular response to stress, positive regulation of kinase activity, cellular response to unfolded protein, response to endoplasmic reticulum stress, cellular response to DNA damage stimulus, regulation of cell proliferation, regulation of phosphorylation, positive regulation of phosphorylation, response to drug, DNA damage response, signal transduction, positive regulation of catalytic activity, regulation of kinase activity, response to estrogen stimulus, positive regulation of molecular function, development of primary sexual characteristics, fat cell differentiation, response to ethanol, negative regulation of cell differentiation, positive regulation of cyclin-dependent protein kinase activity, positive regulation of cell cycle, regulation of protein kinase activity, positive regulation of protein kinase activity, positive regulation of phosphate metabolic process, development of primary male sexual characteristics, male sex differentiation, response to steroid hormone stimulus, reproductive structure development, reproductive cellular process, regulation of phosphorus metabolic process, positive regulation of protein metabolic process, cell division, interphase, interphase of mitotic cell cycle, regulation of transferase activity, positive regulation of transferase activity, response to glucocorticoid stimulus, response to mineralocorticoid stimulus, response to corticosterone stimulus, response to calcium ion, regulation of cell cycle, response to protein stimulus, Wnt receptor signaling pathway through beta-catenin, response to UV-A,

Validation Data



Contact information

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Cyclin D1 protein

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