p21 protein

CatalogNo: YD0076

Key Features

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

Squence	Amino acid: 79-164, with his-MBP tag.

Target Information

Gene name	CDKN1A CAP20 CDKN1 CIP1 MDA6 PIC1 SDI1 WAF1
Protein Name	p21 protein

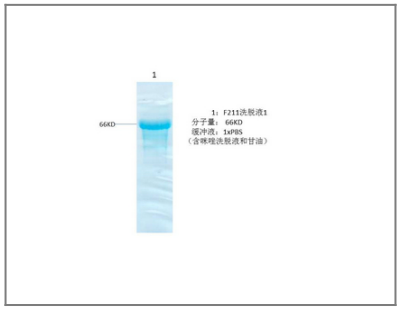
Organism	Gene ID	UniProt ID
Human	1026;	P38936;

Cellular Localization	Cytoplasm . Nucleus .

Tissue specificity Expressed in all adult tissues , with 5-fold lower levels observed in the brain.

Function regulation of cyclin-dependent protein kinase activity , G1/S transition of mitotic cell cycle , G2/M transition of mitotic cell cycle , mitotic cell cycle , regulation of cell growth , positive regulation of immune system process , regulation of leukocyte activation , positive regulation of leukocyte activation , negative regulation of protein kinase activity , induction of apoptosis , response to DNA damage stimulus , cell cycle , cell cycle arrest , positive regulation of cell proliferation ,negative regulation of cell proliferation , regulation of cell size , induction of apoptosis by intracellular signals , response to radiation , response to UV , response to light stimulus , response to abiotic stimulus , response to toxin , response to endogenous stimulus , response to hormone stimulus , response to extracellular stimulus , response to organic substance , response to inorganic substance , response to organic nitrogen , negative regulation of phosphorus metabolic process , regulation of cell death , positive regulation of cell death , induction of programmed cell death ,response to organic cyclic substance , regulation of phosphate metabolic process , cell cycle process , cell cycle phase ,negative regulation of cell growth , regulation of B cell proliferation , positive regulation of B cell proliferation ,regeneration , organ regeneration , cellular response to extracellular stimulus , response to corticosteroid stimulus ,regulation of cellular component size , regulation of mononuclear cell proliferation , positive regulation of mononuclear cell proliferation , cellular response to stress , negative regulation of kinase activity , regulation of growth , regulation of cell proliferation , regulation of phosphorylation , negative regulation of phosphorylation , response to drug , regulation of apoptosis , positive regulation of apoptosis , negative regulation of apoptosis , regulation of programmed cell death ,positive regulation of programmed cell death , negative regulation of programmed cell death , negative regulation of catalytic activity , regulation of kinase activity , negative regulation of molecular function , negative regulation of cyclin-dependent protein kinase activity , regulation of anti-apoptosis , positive regulation of anti-apoptosis , negative regulation of cell cycle , negative regulation of cell size , regulation of protein kinase activity , negative regulation of growth , negative regulation of phosphate metabolic process , response to arsenic , regulation of fibroblast proliferation , positive regulation of fibroblast proliferation , response to steroid hormone stimulus , regulation of lymphocyte proliferation , positive regulation of lymphocyte proliferation , regulation of B cell activation , regulation of cell activation , positive regulation of cell activation , positive regulation of B cell activation , regulation of phosphorus metabolic process , regulation of lymphocyte activation , positive regulation of lymphocyte activation , interphase ,interphase of mitotic cell cycle , regulation of transferase activity , negative regulation of transferase activity , response to glucocorticoid stimulus , response to mineralocorticoid stimulus , response to corticosterone stimulus , regulation of cell cycle , response to hyperoxia , negative regulation of cell death , response to oxygen levels , regulation of leukocyte proliferation , positive regulation of leukocyte proliferation ,

Validation Data



Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

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