

anti- P21 antibody

Product Information

Catalog No.:	FNab06066
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8E0
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

CDKN1A(p21, CIP1, WAF1), a cyclin-dependent kinase inhibitor, is necessary for proper control of the cell cycle and premature senescence. P21 is a cyclin-dependent kinase(CDK) inhibitor that suppresses proliferation by inhibiting CDK2 and CDK1 activity at the G1/S and G2/M transitions. P21 is a major mediator of p53 to induce cell cycle arrest in G1. p21 can interact with proliferating cell nuclear antigen(PCNA), and plays a regulatory role in S phase DNA replication and DNA damage repair. P21 was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Overexpression of p21 decreases the expression levels of cell cycle progression genes and upregulates senescence-inducing genes.

Immunogen information

Immunogen:	cyclin-dependent kinase inhibitor 1A(p21, Cip1)
Synonyms:	CAP20, CDK interacting protein 1, CDKN1, CDKN1A, CIP1, MDA 6, MDA6, P21, p21CIP1, PIC1, SDI1, WAF1
Observed MW:	21 kDa
Uniprot ID :	P38936

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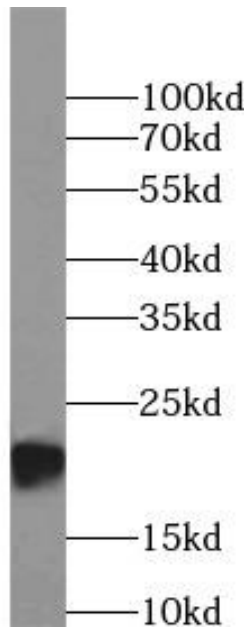
Application

Reactivity: Human

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



MCF-7 cells were subjected to SDS PAGE followed by western blot with FNab06066(P21 Antibody) at dilution of 1:1000

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