p21Cip1 (pS130) Antibody

Catalogue No.:abx031886

Dot Blot
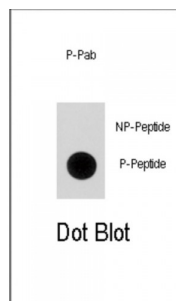
p21 is a potent cyclin-dependent kinase inhibitor. It binds to and inhibits the activity of cyclin-CDK2 or CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this protein is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. p21 can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. It 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.

Target:	p21Cip1 (pS130)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	DB
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Human p21Cip1 (phospho-Ser130).
Purification:	Peptide Affinity Purified Rabbit Polyclonal Antibody.
Isotype:	IgG
Conjugation:	Unconjugated
Specificity:	This p21Cip1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S130 of human p21Cip1.
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot:	**P38936**
Buffer:	PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
Note:	This product is for research use only.