

## Anti-Phospho-P27/KIP1/CDKN1B (S178) Antibody

Catalog Number: P00173-2

### About CDKN1B

Cyclin-dependent kinase inhibitor 1B (p27KIP1), also known as KIP1 or P27, is an enzyme inhibitor that in humans is encoded by the CDKN1B gene. It encodes a protein which belongs to the Cip/Kip family of cyclin dependent kinase (Cdk) inhibitor proteins. It is mapped to 12p13.1. p27KIP1 can inhibit both CDK activation and the kinase activity of assembled and activated cyclin-CDK. The function of p27KIP1 is associated with an aggressive phenotype in human breast cancer. Downregulation of p27KIP1 by CK2- $\alpha$ -prime is necessary for development of agonist- and stress-induced cardiac hypertrophy.

### Overview

Product Name	Anti-Phospho-P27/KIP1/CDKN1B (S178) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-P27/KIP1/CDKN1B (S178) Antibody catalog # P00173-2. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt $-20^{\circ}\text{C}$ as supplied. 6 months 2 to $8^{\circ}\text{C}$ after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P46527

### Technical Details

Immunogen	A synthesized peptide derived from human p27 Kip1 around the phosphorylation site of Ser178.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200

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