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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-p27 KIP 1/CDKN1B Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9070-Cy3

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/Kipfamily 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-p27 KIP 1/CDKN1B Antibody Picoband® Cy3 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P46527

Technical Details

Immunogen	E.coli-derived human P27 KIP 1 recombinant protein (Position: S10-T198). Human P27 KIP 1 shares 87% amino acid (aa) sequence identity with mouse P27 KIP 1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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2 Publications Citing This Product

1. PubMed ID: 22108090, Li Bh, Xu Sb, Li F, Zou Xg, Saimaiti A, Simayi D, Wang Yh, Zhang Y, Yuan J, Zhang Wj. Cell Signal. 2012 Mar;24(3):718-25. Doi: 10.1016/J.Cellsig.2011.11.005. Epub 2011 Nov 13. Stat6 Activity-Related Th2 Cytokine Profile And Tumor Growth Advantage ...

2. PubMed ID: 21575146, Hepatitis B virus induces G1 phase arrest by regulating cell cycle genes in HepG2.2.15 cells

Visit bosterbio.com/anti-p27-kip-1-picoband-trade-antibody-pb9070-boster.html to see all 2 publications.

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