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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PTEN Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A00006-1-Fluoro647

About PTEN

PTEN is also known as BZS, DEC, CWS1, GLM2, MHAM, TEP1, PTEN1. It is mapped to 10q23.3. This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded by this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. The PTEN structure reveals a phosphatase domain that is similar to protein phosphatases but also has an enlarged active site important for the accommodation of the phosphoinositide substrate.

Overview

Product Name	Anti-PTEN Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (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	P60484

Technical Details

Immunogen	E. coli-derived human PTEN recombinant protein (Position: T2-T202). Human PTEN shares 100% amino acid (aa) sequence identity with mouse PTEN.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

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Suggested Dilutions	Optimal dilutions should be determined by end users.

14 Publications Citing This Product

1. PubMed ID: 10.3892/ijo.2016.3401, miR-223 reverses the resistance of EGFR-TKIs through IGF1R/PI3K/Akt signaling pathway

2. PubMed ID: 31614022, Sun M,Hu L, S,Huang T,Zhang M,Yang M,Zhen W,Yang D,Lu W,Guan M,Peng S. Circulating MicroRNA-19b Identified From Osteoporotic Vertebral Compression Fracture Patients Increases Bone Formation. J Bone Miner Res.2020 Feb;35(2):306-316. doi:10.1002/jbmr.3892.

3. PubMed ID: 26936292, miR-223 reverses the resistance of EGFR-TKIs through IGF1R/PI3K/Akt signaling pathway

Visit bosterbio.com/anti-pten-antibody-a00006-1-boster.html to see all 14 publications.

Anti-PTEN Antibody - Fluoro647

For Research Use Only. Not for use in diagnostic procedures.