Anti-PTEN Recombinant Rabbit Monoclonal Antibody

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REAL MATTERS

Catalog #: 1277

Aliases

Phosphatase And Tensin Homolog; MMAC1; TEP1; Mutated In Multiple Advanced Cancers 1; PTEN1; Phosphatidylinositol 3,4,5-Trisphosphate 3-Phosphatase And Dual-Specificity Protein Phosphatase PTEN; MHAM; BZS; Phosphatidylinositol-3,4,5-Trisphosphate 3-Phosphatase And Dual-Specificity Protein Phosphatase PTEN; MMAC1 Phosphatase And Tensin Homolog Deleted On Chromosome 10; Mitochondrial Phosphatase And Tensin Protein Alpha; Phosphatase And Tensin-Like Protein; PTEN Variant PTEN-R234Afs*11; Protein Tyrosine Phosphatase; PTEN Variant PTEN-K267Rfs*9; PTEN Variant PTEN-L247*; Mitochondrial PTENalpha; PTENepsilon; EC 3.1.3.16; EC 3.1.3.48; EC 3.1.3.67; 10q23del; PTENbeta; CWS1; GLM2; DEC;

Background

Gene Name: PTEN
NCBI Gene Entry: 5728
UniProt Entry: P60484

Application Information

Molecular Weight: Predicted, 47 kDa; observed, 54 kDa
Clonality: Rabbit monoclonal antibody
Clone ID: 23GB2880
Species Reactivity: Human, mouse, rat
Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human PTEN

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

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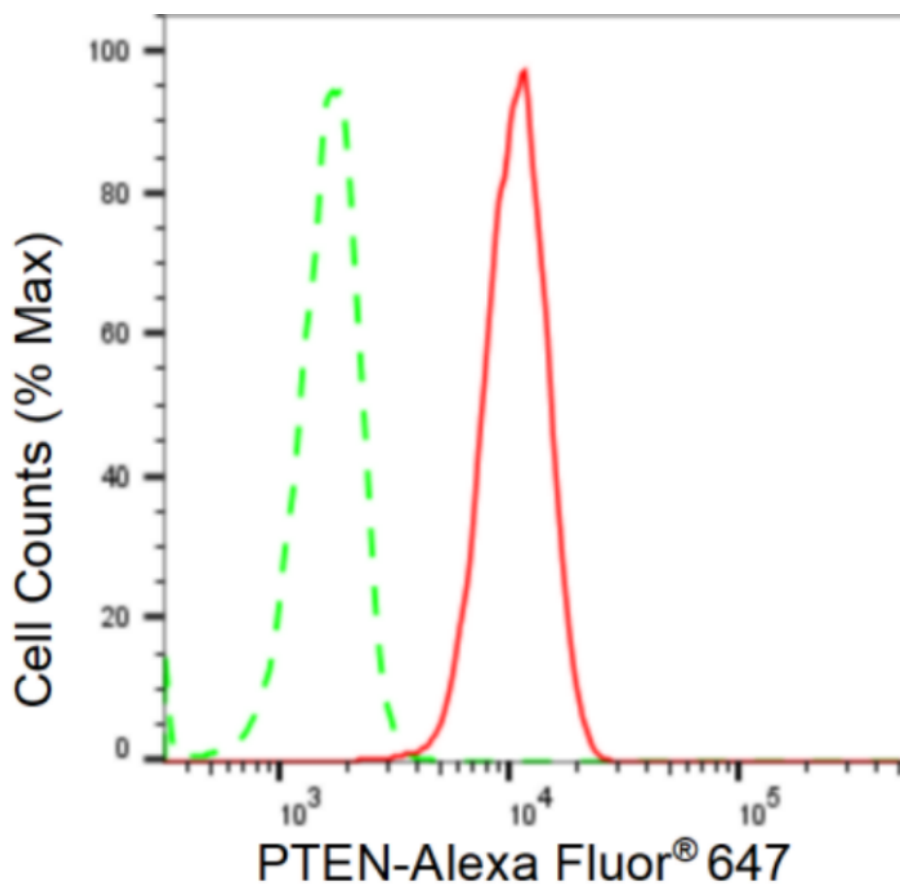
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Flow Cytometry (FCM): 1:2,000
Immunocytochemistry (IC): 1:100-1:1,000

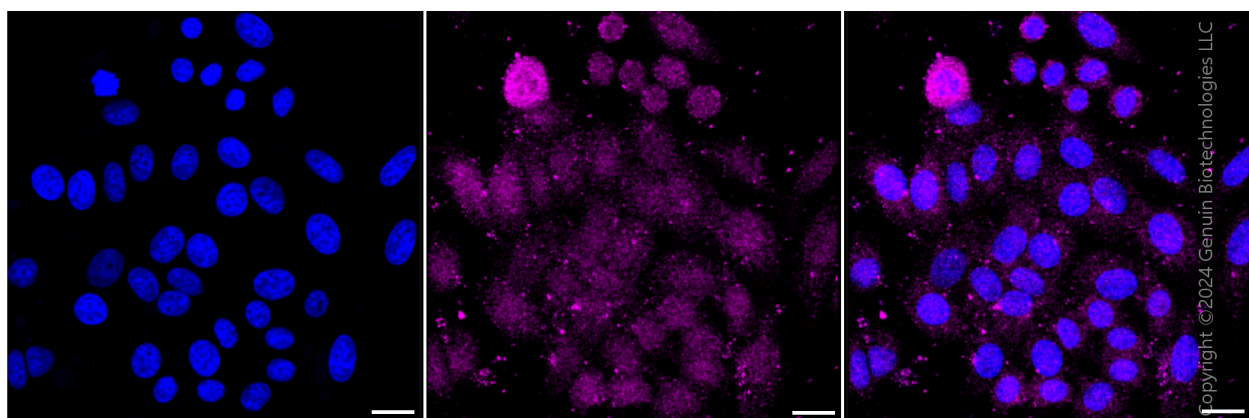**Note:** This product is for research use only.

Validation Data

Flow cytometric analysis of PTEN expression in C2C12 cells using PTEN antibody (Cat#1277, 1:2,000). Green, isotype control; red, PTEN.

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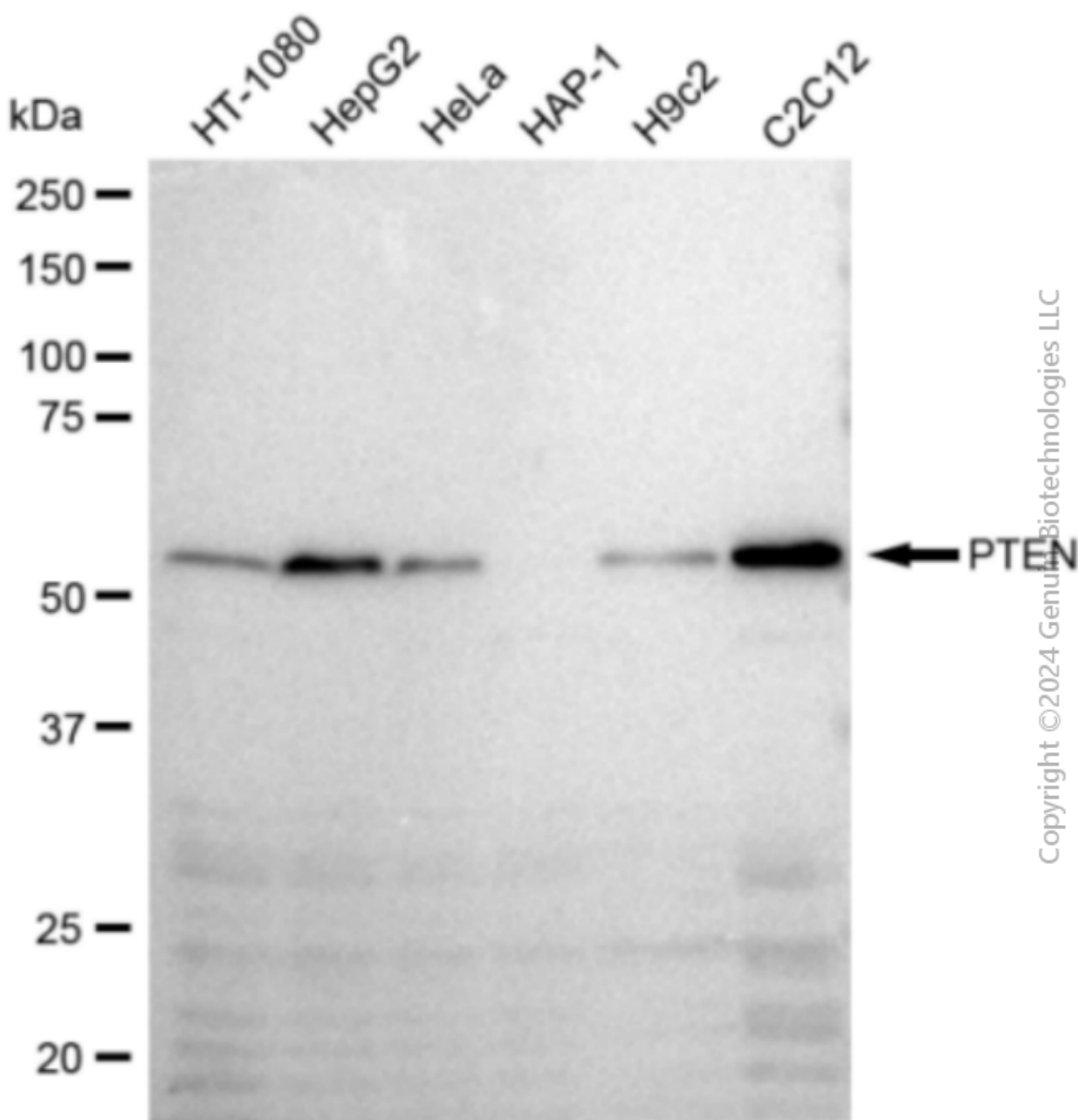SUPPORT@GENUINBIOTECH.COM
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Immunocytochemical staining of HepG2 cells with anti-PTEN antibody (Cat#1277, 1:1,000). Nuclei were stained blue with DAPI; PTEN was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μm.

Western blotting analysis using anti-PTEN antibody (Cat#1277). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PTEN antibody (Cat#1277, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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