For Research Use Only

CoraLite®594-conjugated PTEN Monoclonal antibody

Catalog Number:CL594-60300

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL594-60300

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG17274

GenBank Accession Number:
BC005821

GeneID (NCBI):
5728

UNIPROT ID:
P60484

Full Name:
phosphatase and tensin homolog

Calculated MW:
47 kDa

Observed MW:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
5C10B6

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC (Intra), IF/ICC

Species Specificity:
human, mouse

Positive Controls:

IF : HepG2 cells,

Background Information

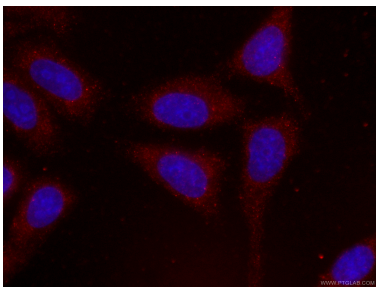
PTEN (also designated MMAC1), products of tumor suppressor genes, are found deleted in most human gliomas. The PTEN genes are also mutated in many other tumors, such as brain, breast, kidney and prostate cancers. PTEN is a protein tyrosine phosphatase that may terminate the signaling transduction pathways mediated by PI 3-kinase/Akt. PTEN has an apparent molecular weight of 55 kDa and it is located in the cytosol.

Storage

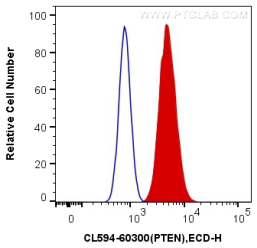
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-60300 (PTEN antibody) at dilution of 1:100.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PTEN (CL594-60300, Clone:5C10B6) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL594-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).