
PTEN Mouse mAb

Catalog Number: bsm-33320M

Target Protein: PTEN

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 11F9

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-200)

Reactivity: Human, Mouse, Rat

Predicted MW: 44 kDa

Entrez Gene: 5728

Swiss Prot: P60484

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

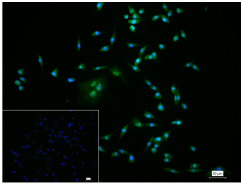
Size : 200ug (PBS only)

0.01M PBS

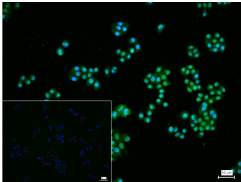
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Potential tumor suppressor. Acts as a phosphoinositide3-phosphatase by regulating PtdIns (3,4,5)P3 levels. Involved in regulation of the AKT1 signaling pathway. The unphosphorylated form cooperates with AIP1 to suppress AKT1 activation. The PTEN/MMAC1 discovers the first to have the suppress of the phosphoric acid enzyme activity cancer gene currently. The gene of PTEN locates the chromosome10q23 area, sending forth sex tumor and a few households cancers with the variety to suffer from the comprehensive disease easily relevant. The activity that passes to repress the Akt regulates the cell period, the cell ground rule decrease and glues to connect. This text discussed PTEN structure, function and its correlations, the PTEN is in tumor repress function mechanism.

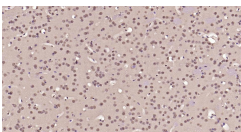
VALIDATION IMAGES



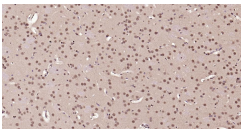
4% Paraformaldehyde-fixed NIH/3T3 (M) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (PTEN) monoclonal Antibody, unconjugated (bsm-33320M) 1:50, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



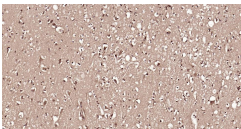
4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (PTEN) monoclonal Antibody, unconjugated (bsm-33320M) 1:200, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



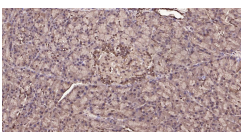
Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PTEN Monoclonal Antibody, Unconjugated(bsm-33320M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PTEN Monoclonal Antibody, Unconjugated(bsm-33320M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PTEN Monoclonal Antibody, Unconjugated(bsm-33320M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PTEN Monoclonal Antibody, Unconjugated(bsm-33320M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.565] Le Xiong. et al. Biological implications of PTEN upregulation and altered sodium/iodide symporter intracellular distribution in resveratrol-suppressed anaplastic thyroid cancer cells. J Cancer. 2020; 11(23): 6883–6891 IF,IHC ; Human . 33123279