

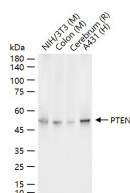
bsm-52369R**[Primary Antibody]****BioSS**
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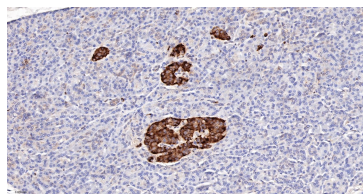
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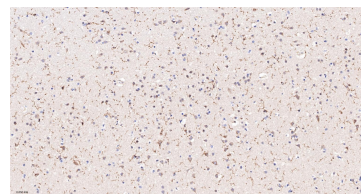
400-901-9800

PTEN Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 5728**Target:** PTEN**Immunogen:** A synthesized peptide derived from human PTEN: 350-403.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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 correlationses, the PTEN is in tumor repress function mechanism.**Isotype:** IgG**CloneNo.:** 9D2**SWISS:** P60484**Applications:** **WB** (1:1000-2000)**IHC-P** (1:200-500)**IHC-F** (1:200-500)**IF** (1:200-500)**ELISA** (1:5000-10000)**Reactivity:** Human, Mouse, Rat**Predicted**
MW.: 44 kDa**Observed**
MW.: 53 kDa**Subcellular**
Location: Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

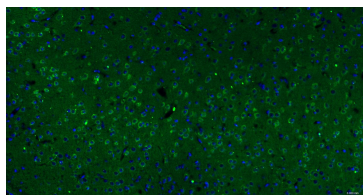
25 ug total protein per lane of various lysates (see on figure) probed with PTEN monoclonal antibody, unconjugated (bsm-52369R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



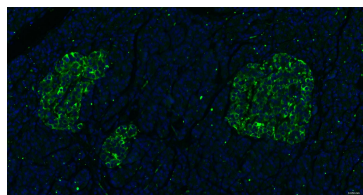
Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PTEN Monoclonal Antibody, Unconjugated (bsm-52369R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PTEN Monoclonal Antibody, Unconjugated (bsm-52369R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PTEN Monoclonal Antibody, Unconjugated (bsm-52369R) at 1:200 overnight at 4°C. Followed by conjugated Goat



Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PTEN Monoclonal Antibody, Unconjugated (bsm-52369R) at 1:200 overnight at 4°C. Followed by conjugated Goat

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

Anti-Rabbit IgG antibody (Green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=5.1]** Peng Chen. et al. Exploration of the mechanisms of HLWDD on skeletal muscle lesions under the influence of diabetes based on bioinformatics analysis and experimental validation. FRONT NUTR. 2025 Dec;12:1586761 WB,IHC ;Rat. 41459066