

bsm-52192R**[Primary Antibody]****phospho-PTEN (Ser380) Recombinant Rabbit mAb****BioSS**
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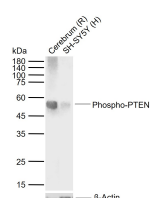
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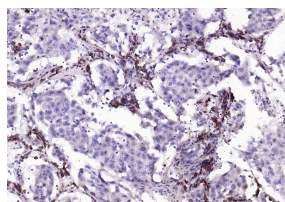
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 4C9**GeneID:** 5728**SWISS:** P60484**Target:** PTEN (Ser380)**Immunogen:** KLH conjugated synthesised phosphopeptide derived from human PTEN around the phosphorylation site of Ser380: RY(p-S)DT.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

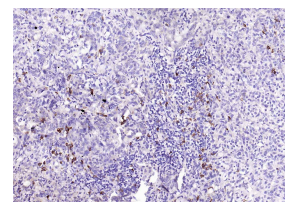
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:20-200)**ICC/IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 44 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Lane 1: Rat Cerebrum tissue lysates
 Lane 2: Human SH-SY5Y cell lysates
 Primary: Anti-Phospho-PTEN (Ser380) (bsm-52192R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 44 kDa
 Observed band size: 55 kDa



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PTEN (Ser380)) Monoclonal Antibody, Unconjugated (bsm-52192R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PTEN (Ser380)) Monoclonal Antibody, Unconjugated (bsm-52192R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.