

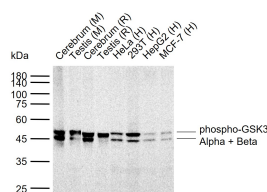
bsm-54505R**[Primary Antibody]****BioSS**
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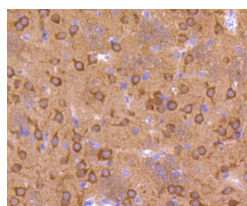
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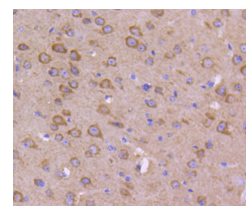
400-901-9800

**phospho-GSK3 Alpha + Beta (Tyr279+Tyr216)
Recombinant Rabbit mAb****DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 5G8**GeneID:** 2932**SWISS:** P49841**Target:** GSK3 Alpha + Beta (Tyr279+Tyr216)**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:** The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]**Applications:** **WB** (1:200-1000)
IHC-P (1:20-100)
IHC-F (1:400-800)
IF (1:100-500)
ICC/IF (1:20-50)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 47/51 kDa**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus**VALIDATION IMAGES**

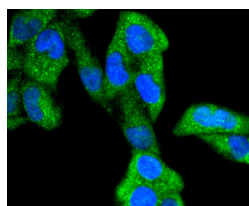
Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Testis tissue lysates
Lane 3: Rat Cerebrum tissue lysates
Lane 4: Rat Testis tissue lysates
Lane 5: Human HeLa cell lysates
Lane 6: Human 293T cell lysates
Lane 7: Human HepG2 cell lysates
Lane 8: Human MCF-7 cell lysates
Primary: Anti-phospho-GSK3 Alpha + Beta (Tyr279+Tyr216) (bsm-54505R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47/51 kDa
Observed band size: 47,51 kDa



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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-GSK3 Alpha + Beta (Tyr279+Tyr216)) Monoclonal Antibody, Unconjugated (bsm-54505R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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-GSK3 Alpha + Beta (Tyr279+Tyr216)) Monoclonal Antibody, Unconjugated (bsm-54505R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-GSK3(alpha+beta)(Y216+Y279)) monoclonal Antibody, Unconjugated (bsm-54505R) 1:50, 90 minutes at 37°C; followed by a 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 at 37°C for 90 minutes,
DAPI (blue, C02-04002) was used to stain the cell
nuclei.