

phospho-GSK3 Alpha + Beta (Tyr279+Tyr216) Recombinant Rabbit mAb

Catalog Number: bsm-54505R

Target Protein: phospho-GSK3 Alpha + Beta (Tyr279+Tyr216)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 5G8

Isotype: IgG

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

Entrez Gene: 2932

Swiss Prot: P49841

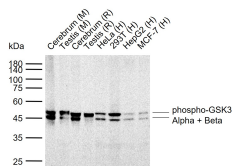
Purification: affinity purified by Protein A

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

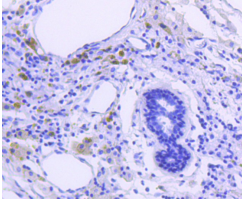
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

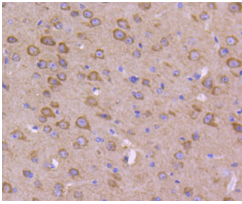
VALIDATION IMAGES



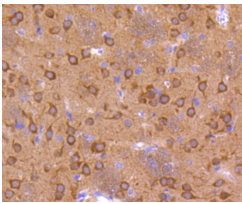
Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Testis tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Testis tissue lysates Lane 5: Human HeLa cell lysates Lane 6: Human 293T cell lysates Lane 7: Human HepG2 cell lysates Lane 8: Human MCF-7 cell lysates Primary: Anti-phospho-GSK3 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



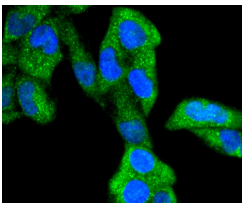
Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-GSK3 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.



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.



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 Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.