

phospho-SPHK2 (Thr614) Rabbit pAb

Catalog Number: bs-17661R

Target Protein: phospho-SPHK2 (Thr614)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse, Rat (predicted:Human, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 72 kDa

Entrez Gene: 56848

Swiss Prot: Q9NRA0

Source: KLH conjugated synthesised phosphopeptide derived from human SPHK2 around the phosphorylation site of Thr614: PL(p-T)PR.

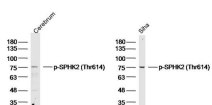
Purification: affinity purified by Protein A

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

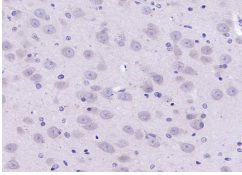
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a kinase that phosphorylates sphingosine into sphingosine-1-phosphate, which is involved in cell differentiation, motility, and apoptosis. The encoded protein plays a role in maintaining cellular levels of sphingosine-1-phosphate. The gene product also enhances apoptosis in different cell types and suppresses cellular proliferation. In mast cells, the encoded protein is necessary for influx of calcium, protein kinase C activation, and cytokine production and degranulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq].

VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Siha(huamn) Cell Lysate at 40 ug Primary: Anti-p-SPHK2(Thr614) (bs-17661R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 72 kD Observed band size: 75 kD



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-SPHK2 (Thr614)) Polyclonal Antibody, Unconjugated (bs-17661R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.