bs-17661R

[Primary Antibody]

phospho-SPHK2 (Thr614) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 56848 SWISS: Q9NRA0

Target: SPHK2 (Thr614)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

SPHK2 around the phosphorylation site of Thr614: PL(p-T)PR.

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: 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 RefSeal.

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)

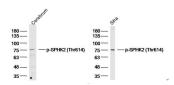
Predicted

72 kDa MW.:

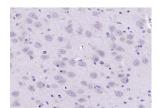
Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

- VALIDATION IMAGES -



Sample: Cerebrum (Mouse) Lysate at 40 ug Siha(huamn) Cell Lysate at 40 ug Primary: Antip-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.

— SELECTED CITATIONS –

• [IF=1.7] Bingqing Cui. et al. SphK Inhibitor ZFP-B34 Suppresses the Growth of TNBC Cells. BIOL PHARM BULL. 2025 Aug;48(8):1172-1184 WB; Human, Mouse. 40769877