

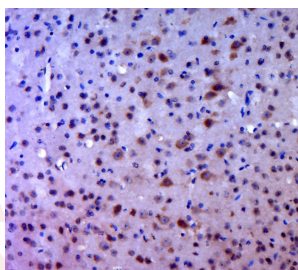
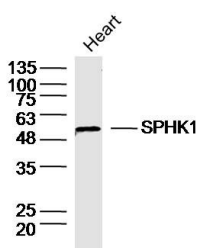
Anti-Sphingosine Kinase 1/SPHK1 Polyclonal Antibody

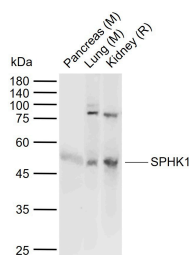
Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Cow,Rabbit)
Molecular Weight:	Theoretical: 42-52 kDa. Actual: 50 kDa.
Purification:	Protein A purified

Applications

1. Sample: Heart (Mouse) Lysate at 30 µg
 Primary: Anti-SPHK1 (TMAB-01766) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 52 kDa
 Observed band size: 52 kDa
2. Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (SPHK1) Polyclonal Antibody, Unconjugated (TMAB-01766) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
3. Sample:
 Lane 1: Mouse Pancreas tissue lysates
 Lane 2: Mouse Lung tissue lysates
 Lane 3: Rat Kidney tissue lysates
 Primary: Anti-SPHK1 (TMAB-01766) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 42-52 kDa
 Observed band size: 50 kDa
- Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human SPHK1

Antigen Species: Human

Gene ID: 8877

Uniprot ID: Q9NYA1

Synonyms: SPHK1; sphingosine kinase 1; SPK; SPHK

Biology Area: Metabolism of lipids and lipoproteins, Lipid metabolism, GPCR, Lipid Kinases

Research Background

The protein encoded by this gene catalyzes the phosphorylation of sphingosine to form sphingosine-1-phosphate (S1P), a lipid mediator with both intra- and extracellular functions. Intracellularly, S1P regulates proliferation and survival, and extracellularly, it is a ligand for cell surface G protein-coupled receptors. This protein, and its product S1P, play a key role in TNF-alpha signaling and the NF-kappa-B activation pathway important in inflammatory, antiapoptotic, and immune processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481