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Research Use Only. Not for diagnostic or therapeutic use.

EB08409 - Goat Anti-SPHK1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SPHK1, sphingosine kinase 1, SPHK, SK1, SKase

Official Symbol: SPHK1

Accession Number(s): NP_068807.2; NP_892010.2; NP_001136073.1

Human GeneID(s): 8877

Non-Human GeneID(s): 20698 (mouse), 170897 (rat)

Important Comments: This antibody is expected to recognise all three reported isoforms (NP_068807.2; NP_892010.2; NP_001136073.1). Reported variants represent identical

protein (NP_001136073.1; NP_001136074.1).

Immunogen

Peptide with sequence C-DVDLESEKYRRLGE, from the internal region of the protein sequence according to NP_068807.2; NP_892010.2; NP_001136073.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx. 40 kDa band observed in Human Peripheral Blood Mononucleocyte lysates (calculated MW of 43.9 kDa according to NP_068807.2).

Recommended concentration: 2-3µg/ml.

Immunoprecipitation: EB05266 has been used in nuclear lysates of HeLa cells and a

band of ~45kDa band has been detected.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB08409 (2μg/ml) staining of Human Peripheral Blood Mononucleocyte lysate (35μg protein in RIPA buffer).

Primary incubation was 1 hour. Detected by chemiluminescence.