

## UK Office

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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.