

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07469 - Goat Anti-STIM1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** STIM1, stromal interaction molecule 1, D11S4896E, GOK

**Official Symbol:** STIM1

**Accession Number(s):** NP\_003147.2; NP\_001264890.1; NP\_001264891.1

**Human GeneID(s):** [6786](#)

**Non-Human GeneID(s):** 20866 (mouse), 361618 (rat)

### Immunogen

Peptide with sequence C-YIQNRYSKEHMKK, from the internal region of the protein sequence according to NP\_003147.2; NP\_001264890.1; NP\_001264891.1.

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 1:32000.

**Western blot:** Successful use of this antibody was reported in Western blot showing an approx. 80kDa in Human platelets: PMID 18439569

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

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

### Specific Reference

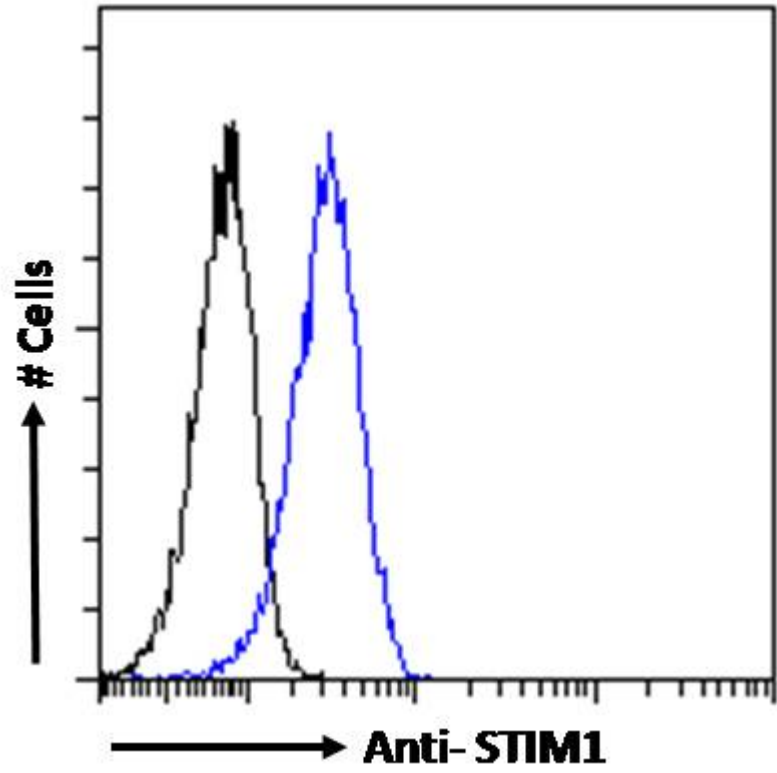
**This antibody has been successfully used in WB on Human Platelets (80kDa) in the following paper:**

López JJ, Jardín I, Bobe R, Pariente JA, Enouf J, Salido GM, Rosado JA.

STIM1 regulates acidic Ca<sup>2+</sup> store refilling by interaction with SERCA3 in human platelets.

Biochem Pharmacol. 2008 Jun 1;75(11):2157-64.

PMID: 18439569



EB07469 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.