

#### **UK Office**

#### **Everest Biotech Ltd**

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

UK

**Enquiries:** 

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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# EB10569 - Goat Anti-SIM2 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** SIM2, single-minded homolog 2 (Drosophila), MGC119447, SIM, bHLHe15, OTTHUMP00000109044, class E basic helix-loop-helix protein 15,

single-minded homolog 2, single-minded homolog 2, short isoform

Official Symbol: SIM2

Accession Number(s): NP\_005060.1; NP\_033664.2

Human GeneID(s): 6493

Non-Human GenelD(s): 20465 (mouse), 304071 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP\_005060.1; NP\_033664.2).

## **Immunogen**

Peptide with sequence C-SDLLYTPSYS, from the internal region of the protein sequence according to NP\_005060.1; NP\_033664.2.

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 1:1000.

**Western blot:** Approx 80kDa band observed in fetal Mouse Kidney lysates (calculated MW of 73.2kDa according to Human NP\_005060.1) and 72.5kDa according to Mouse

NP\_035507.2. Recommended concentration: 0.5-2µg/ml.

#### **Species Reactivity**

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB10569 (0.5μg/ml) staining of fetal Mouse kidney lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.