

## UK Office

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

## EB07444 - Goat Anti-SMO (internal) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SMO, smoothened homolog (Drosophila), Gx, SMOH, seven transmembrane helix receptor, smoothened

**Official Symbol:** SMO

**Accession Number(s):** NP\_005622.1

**Human GeneID(s):** [6608](#)

**Non-Human GeneID(s):** 319757 (mouse), 25273 (rat)

### Immunogen

Peptide with sequence C-QSDDEPKRIKKS, from the internal region of the protein sequence according to NP\_005622.1.

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 1:1000.

**Western blot:** Approx 60kDa band observed in Human Bone Marrow lysates (calculated MW of 86.4kDa according to NP\_005622.1). The observed molecular weight corresponds to findings with EB07026, a product of different design reacting to a different part of the same protein. Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Human

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



A) EB07026 and B) EB07444 (0.3µg/ml) staining of Human Bone Marrow lysate (35µg protein in RIPA buffer).  
Detected by chemiluminescence.