

#### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB12548 - Goat Anti-BMP7 (aa120-131) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: BMP7, bone morphogenetic protein 7, OP-1, osteogenic protein 1

Official Symbol: BMP7

Accession Number(s): NP\_001710.1

Human GeneID(s): 655

Non-Human GeneID(s): 12162 (mouse), 85272 (rat)

**Important Comments:** This antibody is expected to recognize precursor only.

#### **Immunogen**

Peptide with sequence C-SLQDSHFLTDAD, from the internal region of the protein sequence according to NP\_001710.1.

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 1:2000.

**Western blot:** Approx 50-55kDa band observed in Pig Kidney lysates (calculated MW of 49.2kDa according to XP\_005673101.1). Recommended concentration: 1-3μg/ml.

### **Species Reactivity**

Tested: Pig

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

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

EB12548 (1 $\mu$ g/ml) staining of Pig Kidney lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.