

## UK Office

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

## EB12632 - Goat Anti-BMP1 (aa284-296) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** BMP1, bone morphogenetic protein 1, OI13, PCOLC, PCP, PCP2, TLD, mammalian tolloid protein, procollagen C-endopeptidase, procollagen C-proteinase

**Official Symbol:** BMP1

**Accession Number(s):** NP\_001190.1; NP\_006120.1

**Human GeneID(s):** [649](#)

**Non-Human GeneID(s):** 12153 (mouse), 83470 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001190.1; NP\_006120.1).

### Immunogen

Peptide with sequence C-DTIVPKYEVNGVK, from the internal region of the protein sequence according to NP\_001190.1; NP\_006120.1.

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 1:128000.

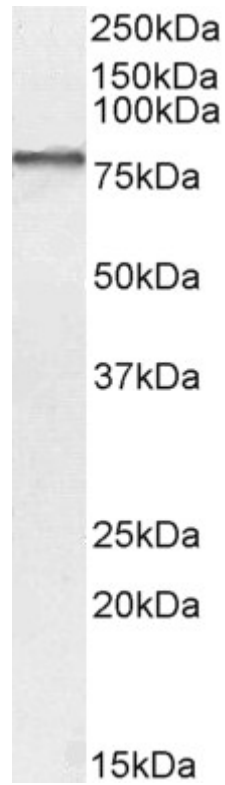
**Western blot:** Approx 75-80kDa band observed in Human Liver lysates and in lysates of cell. lines HeLa, Jurkat, MCF7, NIH3T3 and PC12 (calculated MW of 82.9kDa according to Human NP\_001190.1 and, 93.5kDa according to Mouse NP\_001409046.1, and Rat XP\_006252347.1). This molecular weight is observed by other sources and was successfully blocked by incubation with the immunizing peptide, corresponding to the cleaved BMP-1 propeptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Colon and Placenta. Recommended concentration: 6µg/ml.

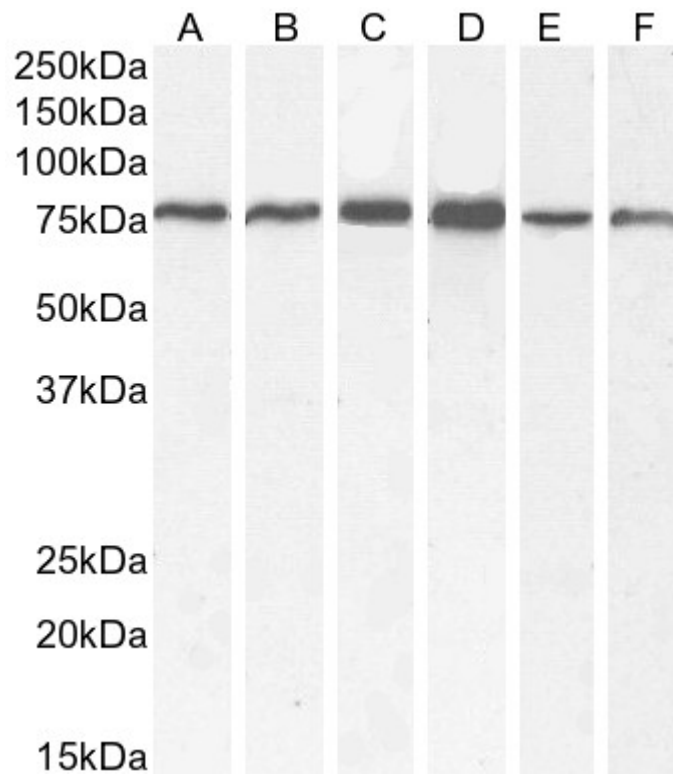
### Species Reactivity

**Tested:** Human, Mouse, Rat

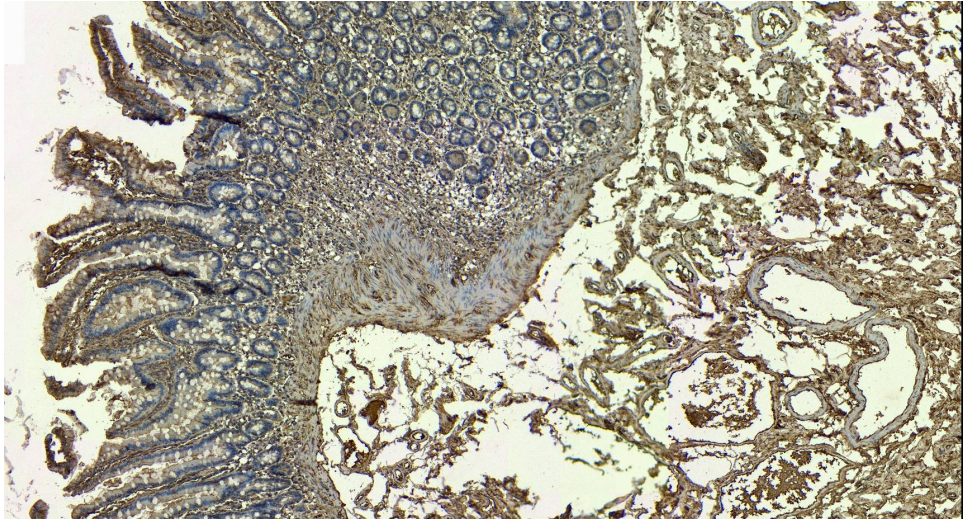
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow



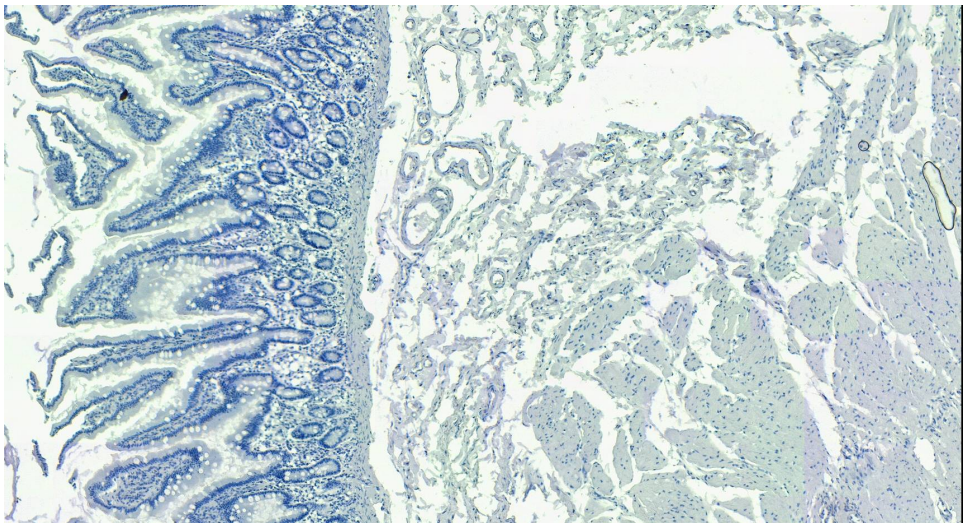
EB12632 (1ug/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



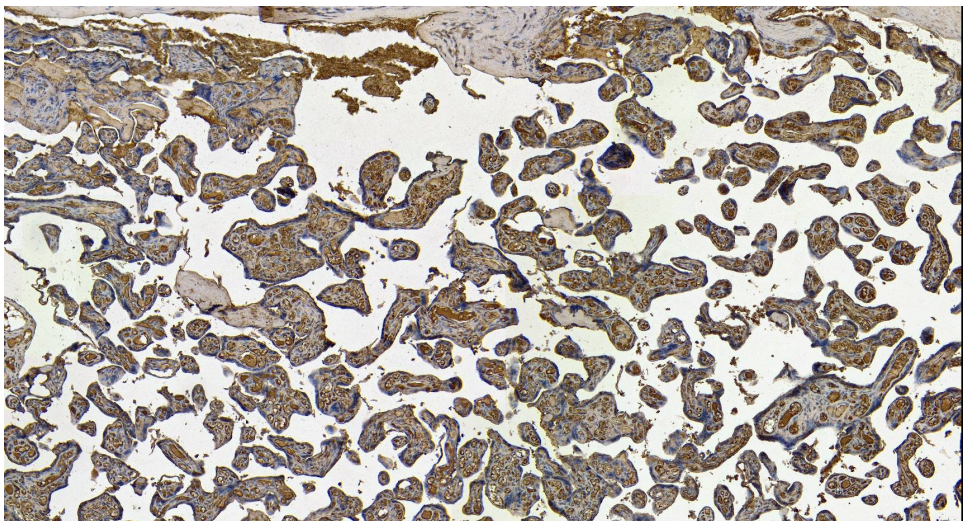
EB12632 (2ug/ml) staining of Jurkat (A) and (1ug/ml) A549 (B), MCF7 (C) HeLa (D), NIH3T3 (E) and PC12 (F) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



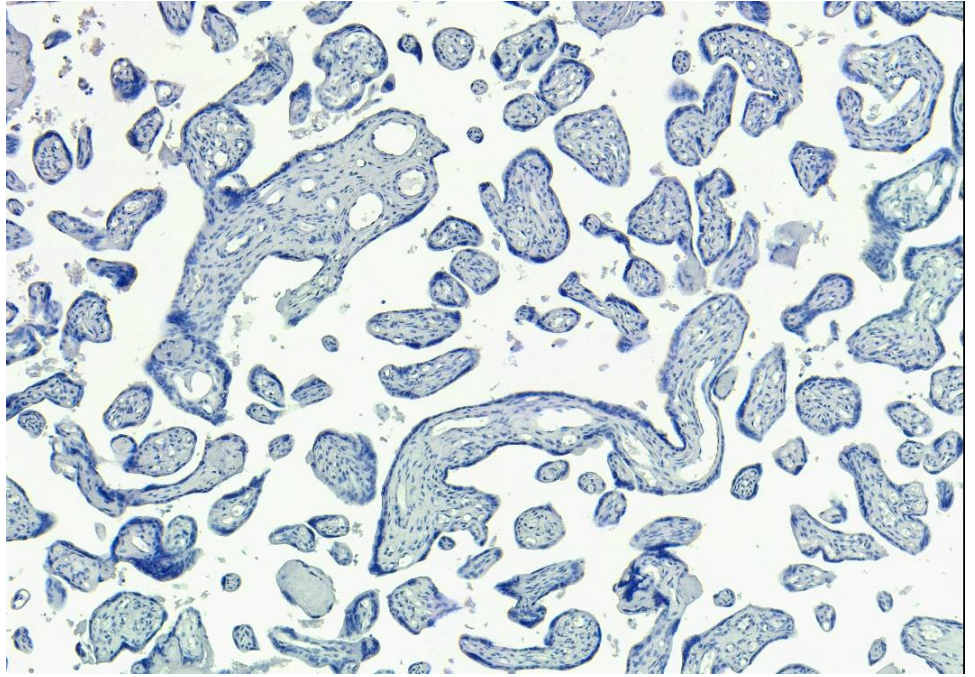
EB12632 (6µg/ml) staining of paraffin embedded Human Colon. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12632 Negative Control showing staining of paraffin embedded Human Colon, with no primary antibody.



EB12632 (6µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12632 Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.