

**Anti-Human BMP-7 Antibody**  
Catalog # ABG10040**Specification****Anti-Human BMP-7 Antibody - Product Information**

Application	<b>WB, IHC, E</b>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>

**Anti-Human BMP-7 Antibody - Additional Information****Preparation**

Produced in mice using highly pure (>98%) recombinant human BMP-7/OP-1 as the immunizing antigen. This IgG1 antibody was purified from cell culture by Protein G affinity chromatography.

**WesternBlot**

To detect hBMP-7 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hBMP-7 is 1.5 - 3.1 ng/lane, under either reducing or non-reducing conditions.

**Sandwich**

In a sandwich ELISA (assuming 100µl/well), when used as a capture antibody at a concentration of 2.0-4.0 µg/ml, this antibody will detect at least 100 pg/ml of recombinant human BMP-7/OP-1 when used with BioGems' biotinylated antigen-affinity purified anti-hBMP-7/OP-1 (60-088BT) as the detection antibody at a concentration of approximately 0.5-1.0 µg/ml.

**Immunohistochemistry**

This antibody stained formalin-fixed, paraffin-embedded sections of human breast malignant carcinoma. The recommended concentration is 5.0 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was

used with a DAB chromogen. Heat induced antigen retrieval with a pH 9.0 buffer is recommended. See photo(s). Optimal concentrations and conditions may vary.

*Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.   
Information and photo are courtesy of Flagship Biosciences, LLC - Histology Services.*

#### **Formulation**

A sterile filtered antibody solution was lyophilized from PBS.

#### **Reconstitution**

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

#### **Storage**

-20°C

#### **Precautions**

Anti-Human BMP-7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### **Anti-Human BMP-7 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)