

**Anti-Human BMP-4 Antibody**  
**Catalog # ABG10037****Specification**

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**Anti-Human BMP-4 Antibody - Product Information**

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

**Anti-Human BMP-4 Antibody - Additional Information****Preparation**

Produced in mice using highly pure (>98%) recombinant human BMP-4 as the immunizing antigen. This IgG2<sub>bK</sub> antibody was purified from cell culture by Protein G affinity chromatography.

**WesternBlot**

To detect hBMP-4 by Western Blot analysis this antibody can be used at a concentration of 0.25-0.50 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hBMP-4 is 2.0-4.0 ng/lane, under non-reducing conditions.

**Sandwich**

In a sandwich ELISA (assuming 100µl/well), a concentration of 4.0-8.0 µg/ml of this antibody will detect at least 2000 pg/ml of recombinant human BMP-4 when used in conjunction with compatible secondary reagents.

**Immunohistochemistry**

This antibody stained HepG2 cells. The primary antibody was incubated at 3.0 µg/ml overnight at 4°C followed by a fluorescent labeled secondary antibody. Optimal concentrations and conditions may vary. Information courtesy of the Cell Profiling group, SciLifeLab Stockholm.

**Neutralization**

To yield one-half maximal inhibition <strong>[ND<sub>50</sub>]</strong> of the biological activity of Human BMP-4 (5.0 ng/ml), a concentration of 0.4-0.6 µg/ml of this antibody is required.

**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-4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Human BMP-4 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](#)

**Anti-Human BMP-4 Antibody - Images**