

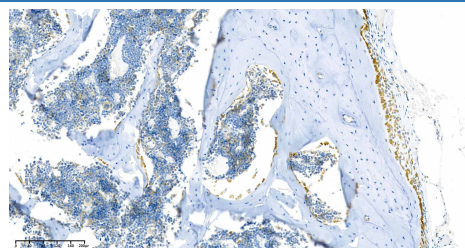
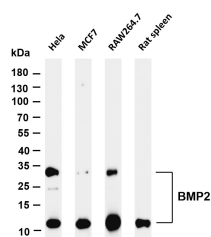
## Recombinant BMP-2 Monoclonal Antibody

catalog number: AN300061P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

| Description  |                                                                 |
|--------------|-----------------------------------------------------------------|
| Reactivity   | Human;Mouse;Rat                                                 |
| Immunogen    | Recombinant Human / Mouse / Rat / Rhesus / Canine BMP-2 protein |
| Host         | Rabbit                                                          |
| Isotype      | IgG                                                             |
| Clone        | C110049                                                         |
| Purification | Protein A                                                       |
| Buffer       | 0.2 µm filtered solution in PBS                                 |
| Applications |                                                                 |
| IHC          | 1:200-1:1000                                                    |
| WB           | 1:1000-1:5000                                                   |
| IF           | 1:200-1:1000                                                    |
| ELISA        | 1:5000-1:20000                                                  |

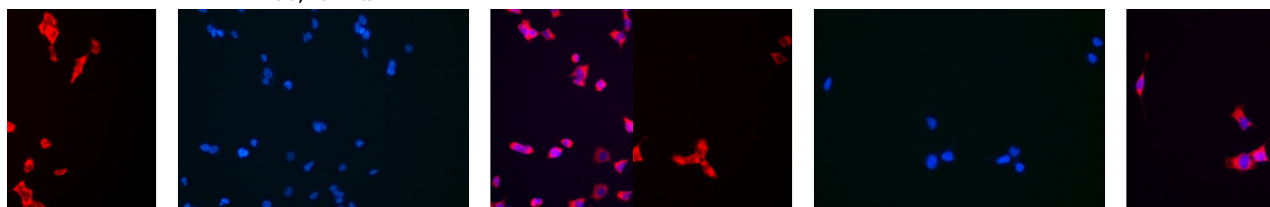
## Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-BMP2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Hela  
Lane 2: MCF7 Lane 3: RAW264.7 Lane 4: Rat spleen  
Predicted band size: 45,13kDa Observed band size:

Rat spine was stained with anti-BMP2 Rabbit antibody

30,13kDa



Immunofluorescence analysis of HEK293. Picture A: BMP2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

Immunofluorescence analysis of HEK293. Picture A: BMP2 antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

| Preparation & Storage |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Storage               | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping              | Ice bag                                                         |

### For Research Use Only

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Rev. V1.5

## Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients. [provided by RefSeq, Jul 2016]

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