

## Recombinant BMP2 Monoclonal Antibody

catalog number: AN300912L

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

### Description

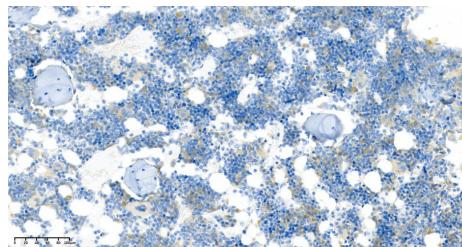
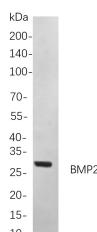
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant Human BMP2 protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG,k
<b>Clone</b>	B859
<b>Purification</b>	Protein A
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

<b>IHC</b>	1:200-1:1000
<b>WB</b>	1:1000-1:5000
<b>IF</b>	1:200-1:1000
<b>ELISA</b>	1:5000-1:20000

### Data



Western Blot with Recombinant BMP2 Monoclonal Antibody    Immunohistochemistry of paraffin-embedded rat spine using at dilution of 1:1000 dilution. Lane A: Hela cells.

Recombinant BMP2 Monoclonal Antibody at dilution of

**Observed-MW:30 kDa,13 kDa**

**1:200.**

**Calculated-MW:45 kDa,13 kDa**

### Preparation & Storage

**Storage**    Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**    Ice bag

### 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.

### For Research Use Only

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Rev. V1.2