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# **Recombinant BMP2 Monoclonal Antibody**

catalog number: AN300912L

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

#### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human BMP2 protein

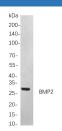
HostRabbitIsotype $IgG,\kappa$ CloneB859PurificationProtein A

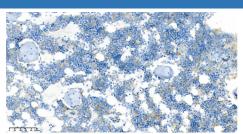
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

IHC 1:200-1:1000 WB 1:1000-1:5000

#### Data





1:200.

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 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.

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