

## BMP-2 Polyclonal Antibody

<b>CATALOG NO:</b>	5672-30T      30 µg (Trial size) 5672-100      100 µg
<b>CONCENTRATION:</b>	0.5 mg/ml
<b>IMMUNOGEN:</b>	Recombinant human BMP-2 (Cat. No. 4577-10)
<b>INTERNAL ID:</b>	BV-A25
<b>HOST:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>FORMULATION:</b>	Supplied in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal
<b>STORAGE CONDITIONS:</b>	Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	BMPs (bone morphogenetic proteins) belong to the TGF-beta superfamily of structurally related signaling proteins. Members of this superfamily are widely represented throughout the animal kingdom and have been implicated in a variety of developmental processes. Proteins of the TGF-beta superfamily are disulfide-linked dimers composed of two 12-15 kDa polypeptide chains. As implied by their name, BMPs initiate, promote and regulate bone development, growth, remodeling and repair. In addition to its osteogenic activity, BMP-2 plays an important role in cardiac morphogenesis. It is also expressed in a variety of tissues such as lung, spleen, brain, liver, prostate ovary and small intestine.
<b>APPLICATION:</b>	Western blot: 0.5-2 µg/ml It detects the 14 kDa monomer, 28 kDa dimer, as well as the 58 kDa tetramer of human BMP-2.  <b>Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.</b>

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