

## BMP3 polyclonal antibody

Catalog: BS5629

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Bone morphogenic proteins (BMPs) are members of the TGF $\beta$  superfamily. BMPs are involved in the induction of cartilage and bone formation. In vivo studies have shown that BMP-2 (also designated BMP-2A) and BMP-3 can independently induce cartilage formation. Smad3 association with the TGF $\beta$  receptor complex and Smad1 translocation to the nucleus are observed after the addition of BMP-4 (also designated BMP-2B), suggesting that BMP-4 may play a role in activation of the Smad pathway. BMP-5, BMP-6 and BMP-7 all share high sequence homology with BMP-2, indicating that they each may be able to induce cartilage formation. BMP-8 (also designated OP-2) is thought to be involved in early development, as detectable expression has not been found in adult organs.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 54 kDa

### Swiss-Prot:

P12645

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

ICC: 1:50~1:200

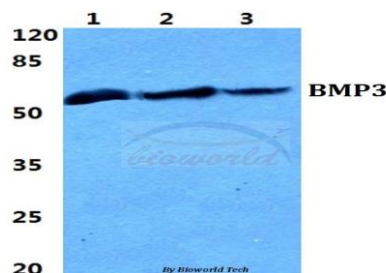
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

BMP3 polyclonal antibody detects endogenous levels of BMP3 protein.

### DATA:



Western blot (WB) analysis of BMP3 polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate

Lane2: PC12 cell lysate

Lane3: H9C2 cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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