

BMP2 (P275) polyclonal antibody

Catalog: BS3473

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Bone morphogenic proteins (BMPs) are members of the TGF β 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 β 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:

~ 44 kDa

Swiss-Prot:

P12643

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

IHC: 1:50~1:200

Storage&Stability:

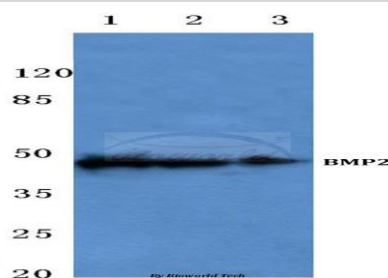
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

BMP-2 (P275) polyclonal antibody detects endogenous levels of BMP-2 protein.

DATA:

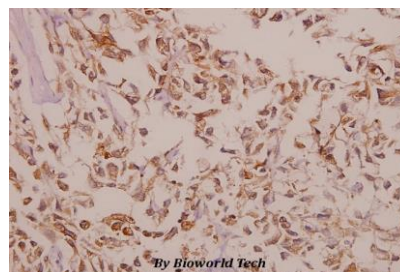


Western blot (WB) analysis of BMP2 (P275) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Raw264.7 cell lysate

Lane3:PC12 cell lysate



Immunohistochemistry (IHC) analyzes of BMP2 (P275) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

Note:

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

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