

AP20771PU-N**Polyclonal Antibody to BMP8B - Aff - Purified****Alternate names:**

BMP-8B, Bone morphogenetic protein 8B, OP2, Osteogenic protein 2

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Bone morphogenic proteins (BMPs) are members of the TGFbeta 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 TGFbeta 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 is thought to be involved in early development, as detectable expression has not been found in adult organs. Two BMP-8 proteins exist, namely BMP-8A and BMP-8B (also designated OP-2), and are encoded by two distinct genes.

Uniprot ID:[P34820](#)**NCBI:**[NP_001711](#)**GenelD:**[656](#)**Host:**

Rabbit

Format:**State:** Liquid purified Ig fraction**Purification:** Affinity chromatography (> 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS), pH 7.2.**Preservatives:** 0.05% sodium azide**Applications:****Western blot:** 1/500 - 1/1000.**Immunohistochemistry on paraffin sections:** 1/50 - 1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:This antibody detects endogenous levels of BMP-8 protein.
(region surrounding Glu90)**Species Reactivity:****Tested:** Human.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Immunohistochemistry (IHC) analyzes of BMP-8 antibody (Cat.-No.: AP20771PU-N) in paraffin-embedded human testis tissue.

