
BMP2 Rabbit pAb

Catalog Number: bs-10696R

Target Protein: BMP2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow, Chicken, Dog, GuineaPig, Horse)

Predicted MW: 13/44 kDa

Entrez Gene: 650

Swiss Prot: P12643

Source: KLH conjugated synthetic peptide derived from human BMP2: 341-396/396.

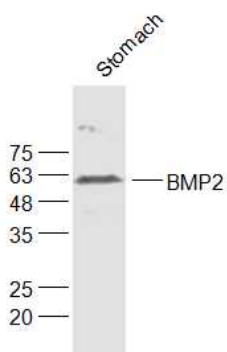
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

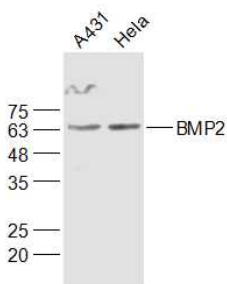
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: BMP2 belongs to the transforming growth factor-beta (TGFB) superfamily of secreted growth factors. It is a disulfide-linked homodimer and induces bone and cartilage formation. In addition to its osteogenic activity, BMP2 plays an important role in cardiac morphogenesis and is expressed in a variety of tissues including lung, spleen, brain, liver, prostate ovary and small intestine. The functional form of BMP2 is a 26 kDa protein composed of two identical 114 amino acid polypeptide chains linked by a single disulfide bond. BMPs control fundamental events in early embryonic development, organogenesis and adult tissue homeostasis.

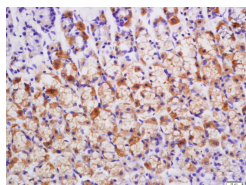
VALIDATION IMAGES



Sample: Stomach (Mouse) Lysate at 40 ug Primary: Anti-BMP2 (bs-10696R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13/44 kD Observed band size: 59 kD



Sample: A431(Human) Cell Lysate at 30 ug HeLa(Human) Cell Lysate at 30 ug Primary: Anti-BMP2 (bs-10696R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 13/44 kD Observed band size: 64 kD



Tissue/cell: rat stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37 °C for 20 min; Incubation: Anti-BMP2 Polyclonal Antibody, Unconjugated(bs-10696R) 1:200, overnight at 4 °C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.2] Li Fu-Xing-Zi. et al. Cold exposure protects against medial arterial calcification development via autophagy. J

NANOBIOTECHNOL. 2023 Dec;21(1):1-22 WB ; Mouse . 37461031

[IF=10.2] Zheng Ming-Hui. et al. Vascular wall microenvironment: exosomes secreted by adventitial fibroblasts induced vascular

calcification. J NANOBIOTECHNOL. 2023 Dec;21(1):1-21 WB,IHC ; Mouse . 37667298