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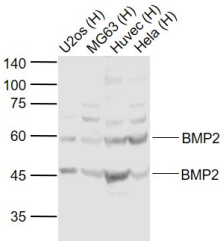
BMP2 Rabbit pAb

Catalog Number:	bs-0514R
Target Protein:	BMP2
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human (predicted:Mouse, Rat, Rabbit, Pig, Cow, Dog)
Predicted MW:	13/44 kDa
Entrez Gene:	650
Swiss Prot:	P12643
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: Lane 1: U2os (Human) Cell Lysate at 30 ug Lane 2: MG63 (Human) Cell Lysate at 30 ug Lane 3: Huvec (Human) Cell Lysate at 30 ug Lane 4: Hela (Human) Cell Lysate at 30 ug Primary: Anti-BMP2 (bs-0514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 60/45 kD Observed band size: 60/45 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.064] Yi-Xuan Wang. et al. MiR-20a promotes osteogenic differentiation in bone marrow-derived mesenchymal stem/stromal cells and bone repair of the maxillary sinus defect model in rabbits. FRONT BIOENG BIOTECH. 2023; 11: 1127908 WB ; Human . 37091341

[IF=3.21] Ming-Zhi Huang. et al. Exosomes from artesunate-treated bone marrow-derived mesenchymal stem cells transferring SNHG7 to promote osteogenesis via TAF15-RUNX2 pathway. REGEN MED. 2022 Oct 02 WB ; Mouse, Human . 36184881

[IF=2.586] Yixin Xia. et al. Regulation of endothelial cells on the osteogenic ability of bone marrow mesenchymal stem cells in peri-implantitis. TISSUE CELL. 2023 Apr;81:102042 WB ; Dog . 36812664