

Monoclonal anti-human BMP8b antibody (clone AT13E6)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0332

Immunogen: Recombinant human BMP8b (264-402aa) purified from *E. coli*

NCBI Accession No.: NP_001711

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human BMP8b mAb, clone AT13E6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BMP8b protein.

Description: Bone morphogenic proteins (BMPs) are members of the TGFβ superfamily. BMPs are involved in the induction of cartilage and bone formation. Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis. 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.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.

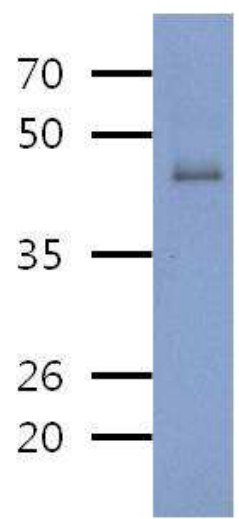
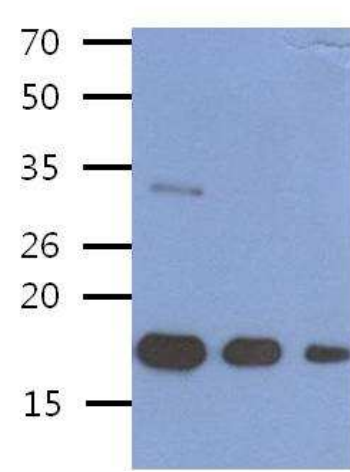
Application: ELISA, WB

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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Product information

<p>Western blot analysis</p> <p>The extract of A549 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BMP8b antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.</p>	
<p>Western blot analysis</p> <p>The Human Recombinant protein BMP8b(200, 100, 50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BMP8bq antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.</p>	
<p>General references:</p>	<p>Ozkaynak E., et al. (1992) <i>J Biol Chem.</i> 267(35):25220-25227</p> <p>Gregory SG., et al. (2006) <i>Nature.</i> 441(7091):315-321.</p>

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