

**AM50356PU-N****Monoclonal Antibody to BMP8B - Purified**

<b>Alternate names:</b>	BMP-8B, Bone morphogenetic protein 8B, OP2, Osteogenic protein 2
<b>Quantity:</b>	0.1 ml
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	Bone morphogenic proteins (BMPs) are members of the TGF beta 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.
<b>Uniprot ID:</b>	<a href="#">P34820</a>
<b>NCBI:</b>	<a href="#">NP_001711</a>
<b>GeneID:</b>	<a href="#">656</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	AT13E6
<b>Immunogen:</b>	Recombinant human BMP8b (264-402aa) purified from E. coli.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Protein-A affinity chromatography <b>Buffer System:</b> PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
<b>Applications:</b>	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	<b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Ozkaynak E., et al. (1992) J Biol Chem. 267(35):25220-25227 Gregory SG., et al. (2006) Nature. 441(7091):315-321.

## Pictures:

Fig. 1: 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. Fig. 2: 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.

