

**RABBIT ANTI-BMP-1, AMINOTERMINAL END
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AB81032
LOT NUMBER:	
QUANTITY:	100 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	Reactive with Bone Morphogenic protein-1 (BMP-1, PCP, ProCollagen C-Peptidase).
IMMUNOGEN:	synthetic peptide based on the amino-terminal end of the human sequence.
USE:	BMP-1 is an extracellular zinc endopeptidase of the Astacin family, which also includes Astacin, Meprin-A and B, Tolloid-like proteins and Choriolysin. The name BMP-1 reflects the involvement of PCP in the collagen deposition of growing bone. Procollagen C-peptidase cleaves the carboxy end from procollagen, to allow formation of mature, triplehelical collagen. The Aminoterminal end must also be cleaved by the Procollagen N-Proteinase (PNP or ADAM-TS2). Defects in PNP have been linked to the skin disorder dermatosparaxis, and defects in BMP-1 are thought to lead to aberrant collagen processing, and connective tissue disorders. Many forms of BMP-1 have been reported, with varying truncation at the carboxyterminal end. The long form of BMP-1 is most similar to the Tolloid-like proteins, which have extra EGF-like and CUB domains. EDTA/EGTA treatment of tissues or lysates is required to see latent zymogen.
APPLICATIONS:	Western blot: Starting dilutions 1:1000 for colorimetric substrates such as BCIP/NBT, 1:5000 for chemiluminescence substrates. <i>Optimal working dilutions must be determined by end user.</i>
SPECIES REACTIVITIES:	Human
FORMAT:	Peptide affinity purified.
PRESENTATION:	Liquid in 10 mM phosphate buffer, pH 7.4, with 500 mM NaCl, containing 0.01% sodium azide as preservative and 50% glycerol as cryoprotectant.
STORAGE/HANDLING:	The undiluted antibody solution is stable for approximately 6 months at 4°C. For longer storage, store at -20°C. The solution is buffered from freezing at -20°C by 50% glycerol, but will freeze at -80°C. Avoid unnecessary freeze-thaw cycles. Diluted antibody can be reused several times if not contaminated; store at 4°C with 0.05% Sodium Azide as preservative.

For research use only; not for use in diagnostic procedures.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

Jointly developed by Chemicon International, Inc. and Triple Point Biologics, Inc.

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