


Product datasheet

Anti-BMP1/PCP antibody ab205394

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Overview

Product name	Anti-BMP1/PCP antibody
Description	Goat polyclonal to BMP1/PCP
Host species	Goat
Specificity	ab205394 is expected to recognize both reported isoforms (NP_001190.1; NP_006120.1).
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow, Dog, Pig 
Immunogen	Synthetic peptide corresponding to Human BMP1/PCP aa 250-350 (internal sequence) (Cysteine residue). NP_001190.1; NP_006120.1. Database link: P13497 Run BLAST with Run BLAST with
Positive control	WB: Human heart, human kidney and rat heart tissue lysates and NIH3T3 cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	ab205394 was purified from goat serum by ammonium sulfate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Clonality Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205394 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 3 µg/ml. Predicted molecular weight: 111 kDa. 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 5 µg/ml.

Target

Function Cleaves the C-terminal propeptides of procollagen I, II and III. Induces cartilage and bone formation. May participate in dorsoventral patterning during early development by cleaving chordin (CHRD). Responsible for the proteolytic activation of lysyl oxidase LOX.

Tissue specificity Ubiquitous.

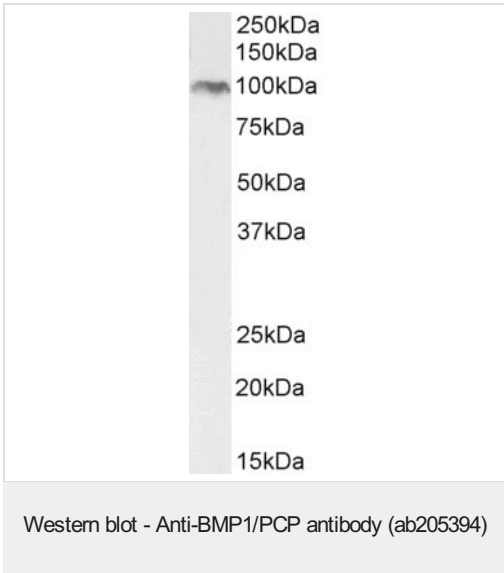
Involvement in disease Osteogenesis imperfecta 13

Sequence similarities Belongs to the peptidase M12A family.
Contains 5 CUB domains.
Contains 2 EGF-like domains.

Post-translational modifications Proteolytically activated in the trans-Golgi network by furin-like/paired basic proprotein convertases, cleavage is not required for secretion.

Cellular localization Golgi apparatus, trans-Golgi network. Secreted, extracellular space, extracellular matrix. Co-localizes with POSTN in the Golgi.

Images

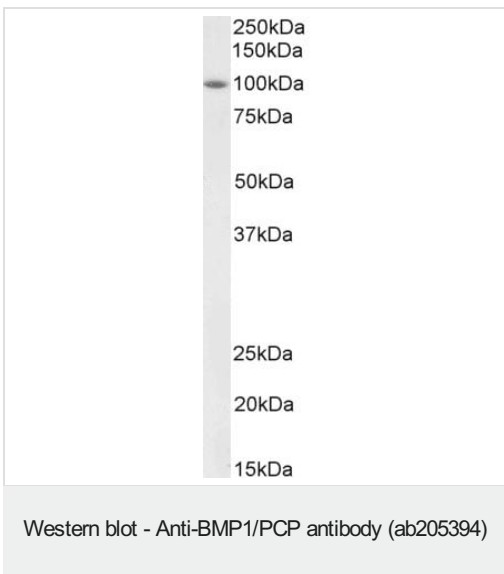


Anti-BMP1/PCP antibody (ab205394) at 2 µg/ml + NIH3T3 cell lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 111 kDa

Incubated with the primary antibody for 1 hour.

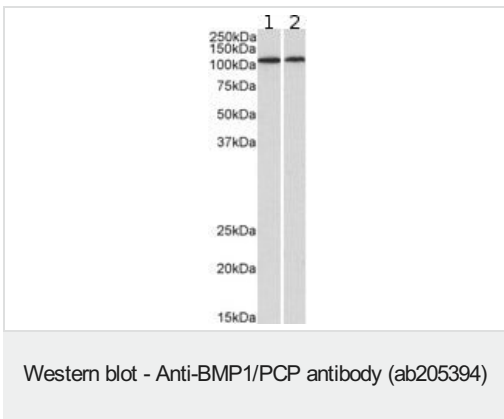


Anti-BMP1/PCP antibody (ab205394) at 2 µg/ml + Rat heart tissue lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 111 kDa

Incubated with the primary antibody for 1 hour.



All lanes : Anti-BMP1/PCP antibody (ab205394) at 1 µg/ml

Lane 1 : Human heart cell lysate

Lane 2 : Human kidney cell lysate

Lysates/proteins at 35 µg per lane.

Developed using the ECL technique.

Predicted band size: 111 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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