

## Product datasheet

### Anti-BMP1/PCP antibody ab38953

★★★★★ [3 Abreviews](#) [5 References](#)

#### Overview

<b>Product name</b>	Anti-BMP1/PCP antibody
<b>Description</b>	Rabbit polyclonal to BMP1/PCP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human BMP1/PCP (C terminal). (Peptide available as <a href="#">ab41291</a> )
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituent: 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab38953 has been peptide-affinity purified.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab38953 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	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 111 kDa. A recommended starting concentration for Western blots is 1/1000 when using colorimetric substrates such as BCIP/NBT and 1/5000 for chemiluminescent substrates. EDTA/EGTA treatment of tissues or lysates is required to see latent zymogen.

## 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.

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

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