

## Product datasheet

# Anti-BMP7 antibody [EPR5897] - BSA and Azide free ab240045

Recombinant RabMAb

1 Image

### Overview

<b>Product name</b>	Anti-BMP7 antibody [EPR5897] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR5897] to BMP7 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human BMP7 aa 300-400. The exact sequence is proprietary.
<b>General notes</b>	Ab240045 is the carrier-free version of <a href="#">ab129156</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab240045 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

### 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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5897
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab240045** in the following tested applications.

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

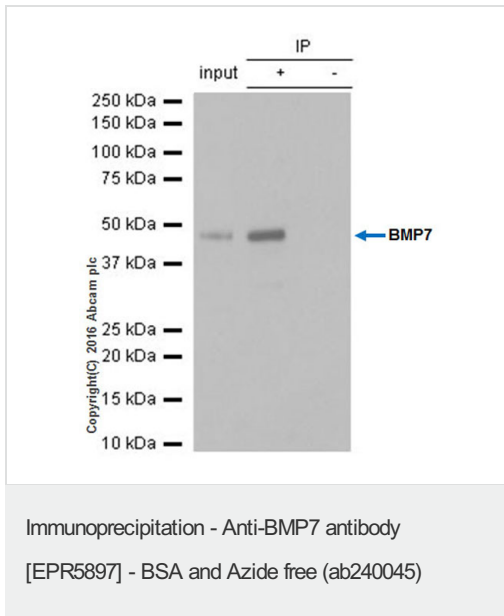
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 49 kDa.

**Application notes** Is unsuitable for ICC/IF or IHC-P.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed in the kidney and bladder. Lower levels seen in the brain.
<b>Sequence similarities</b>	Belongs to the TGF-beta family.
<b>Developmental stage</b>	Expressed in the developing eye, brain and ear during embryogenesis.
<b>Post-translational modifications</b>	Several N-termini starting at positions 293, 300, 315 and 316 have been identified by direct sequencing resulting in secretion of different mature forms (PubMed:17977014).
<b>Cellular localization</b>	Secreted.

## Images



Purified [ab129156](#) at 1/150 immunoprecipitating BMP7 in MCF7 (Human breast adenocarcinoma cell line) whole cell lysate observed at 49 kDa (lanes 1 and 2).

**Lane 1 (input):** MCF7 whole cell lysate 10µg

**Lane 2 (+):** [ab129156](#) + MCF7 whole cell lysate.

**Lane 3 (-):** Rabbit monoclonal IgG ([ab172730](#)) instead of [ab129156](#) in MCF7 whole cell lysate

For western blotting, [ab129156](#) at 1/150 dilution and VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Blocking and Diluting buffer and concentration: 5% NFDM/TBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab129156](#)).

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

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
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