

## Product datasheet

# Anti-BMP7 antibody ab27569

★★★★☆ 3 Abreviews 4 References 画像数 2

### 製品の概要

製品名	Anti-BMP7 antibody
製品の詳細	Rabbit polyclonal to BMP7
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ELISA, WB, Sandwich ELISA, ICC/IF, Neutralising
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Xenopus laevis
免疫原	Recombinant full length human BMP7 protein.
ポジティブ・コントロール	<a href="#">ウェスタン・ブロット用ポジティブコントロール Human BMP7 full length protein &gt;</a>

### 製品の特性

製品の状態	Lyophilised:Reconstitute in 200ul sterile water to a concentration of 0.5 mg/ml
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.40 Constituent: 1.34% PBS
精製度	Immunogen affinity purified
特記事項(精製)	This antibody was purified by affinity chromatography employing immobilized hBMP7 matrix.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab27569** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
ELISA		Use a concentration of 0.5 µg/ml.
WB	★★★★☆	Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 49 kDa.
Sandwich ELISA		Use a concentration of 0.5 µg/ml. Can be paired for Sandwich ELISA with <a href="#">Rabbit polyclonal to BMP7 (Biotin) (ab84030)</a> . Use as Capture antibody.
ICC/IF	★★★★★	Use a concentration of 1 - 5 µg/ml.
Neutralising		Use at an assay dependent dilution.

## ターゲット情報

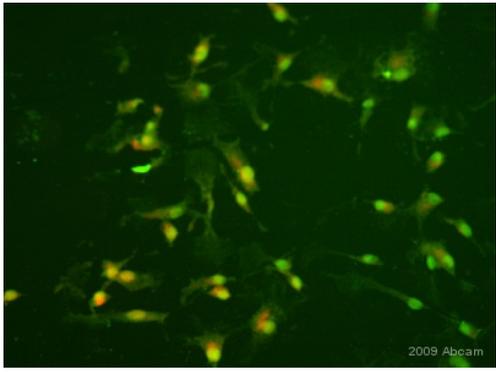
機能	Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.
組織特異性	Expressed in the kidney and bladder. Lower levels seen in the brain.
配列類似性	Belongs to the TGF-beta family.
発生段階	Expressed in the developing eye, brain and ear during embryogenesis.
翻訳後修飾	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).
細胞内局在	Secreted.

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-BMP7 antibody (ab27569)

ICC/IF image of ab27569 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab27569, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-BMP7 antibody (ab27569)

This image is courtesy of Ruma Raha-Chowdhury, University Of Cambridge, United Kingdom

ICC/IF image of Rat primary hepatocytes culture cells stained with ab27569. The cells were fixed with 4% PFA and incubated in 5% normal donkey serum in 0.1% PBS- and triton X100 for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab27569, 1µg/ml) and (ab15640) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 donkey anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 568 (red) at a 1/1000 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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