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Datasheet for ABIN1100288  
**anti-BMP7 antibody (AA 315-431)**

2 Images

### Overview

Quantity:	50 µg
Target:	BMP7
Binding Specificity:	AA 315-431
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Neutralization (Neut)

### Product Details

Brand:	IHC-plus™
Immunogen:	CHO cell derived recombinant Human BMP-7. Type of Immunogen: Cell extract
Isotype:	IgG
Specificity:	Human BMP-7
Purification:	Immunoaffinity purified

### Target Details

Target:	BMP7
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## Target Details

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Alternative Name:	BMP7 / BMP-7 ( <a href="#">BMP7 Products</a> )
Background:	Name/Gene ID: BMP7 Family: TGF beta  Synonyms: BMP7, Bone morphogenetic protein 7, Eptotermin alfa, OP-1, OP1, Osteogenic protein 1, BMP-7
Gene ID:	655
UniProt:	<a href="#">P18075</a>
Pathways:	<a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Stem Cell Maintenance</a>

## Application Details

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Application Notes:	Approved: ELISA (0.5 - 2 µg/mL), IHC, IHC-P (2.5 µg/mL), Neut (0.4 - 0.6 µg/mL), WB (0.1 - 0.2 µg/mL)  Usage: Immunohistochemistry: LS-B7431 in an IHC-plus antibody, validated by our pathologists for use in IHC against formalin-fixed, paraffin-embedded human tissues (IHC validation procedure). A concentration of 2.5 µg/mL is recommended. Neutralization: To yield one-half maximal inhibition [ND] of the biological activity of Human BMP-7 (100 ng/mL), a concentration of 0.4-0.6 µg/mL of this antibody is required. ELISA: To detect hBMP-7 by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.5-2 µg/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human BMP-7 (LS-C104294) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant hBMP-7. Western Blot: To detect hBMP-7 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hBMP-7 is 1.5-3 ng/lane, under either reducing or non-reducing conditions.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

## Handling

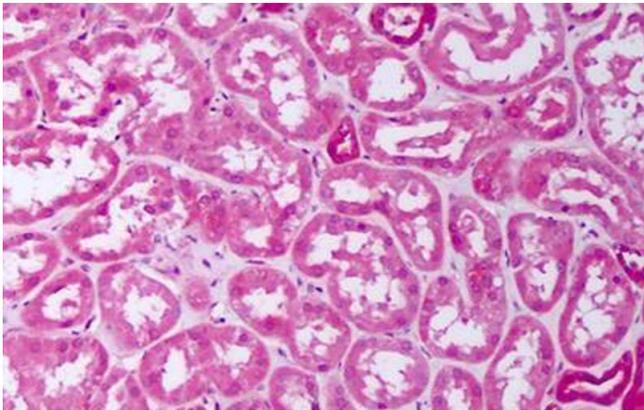
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Format:	Lyophilized
Reconstitution:	Sterile water

## Handling

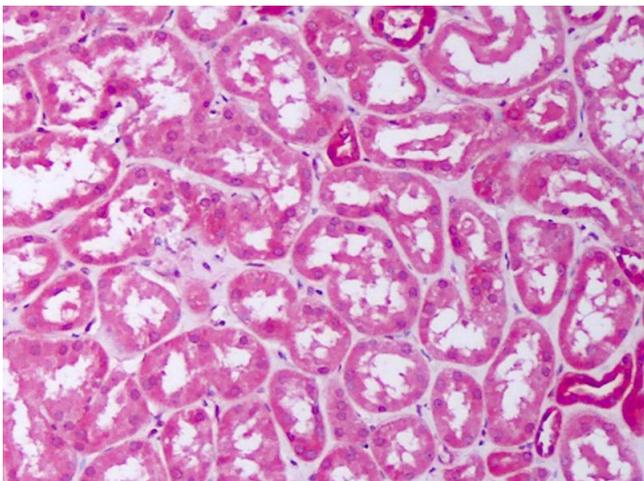
Concentration:	Lot specific
Buffer:	Lyophilized from PBS, pH 7.2
Handling Advice:	Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Store Lyophilized at room temperature up to 1 month Reconstituted for up to 2 weeks at 2-8°C. Aliquot and freeze at -20°C for long term storage. Avoid freeze/thaw cycles.

## Images



### Immunohistochemistry

**Image 1.** Anti-BMP7 antibody IHC staining of human kidney, tubules. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1100288 concentration 41396 ug/ml.



### Immunohistochemistry

**Image 2.** Anti-BMP7 antibody IHC of human kidney, tubules. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.