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Datasheet for ABIN657780
anti-BMP7 antibody (C-Term)

3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	BMP7
Binding Specificity:	AA 280-309, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This BMP7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 280-309 amino acids from the C-terminal region of human BMP7.
Clone:	RB33890
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	BMP7
Alternative Name:	BMP7 (BMP7 Products)
Background:	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract

Target Details

to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity. [provided by RefSeq].

Molecular Weight: 49313

Gene ID: 655

NCBI Accession: [NP_001710](#)

UniProt: [P18075](#)

Pathways: [Steroid Hormone Mediated Signaling Pathway](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

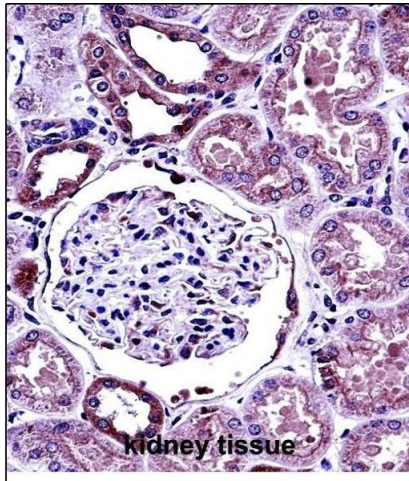
Storage: 4 °C,-20 °C

Storage Comment: BMP7 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months

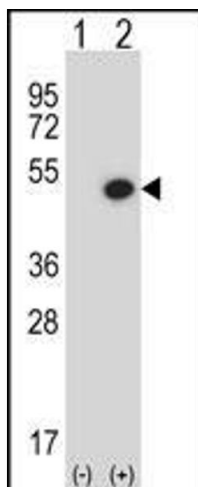
Publications

Product cited in: Chen, Yeh, Lung, Yang, Yuan: "Mineralization Effect of Hyaluronan on Dental Pulp Cells via CD44." in: **Journal of endodontics**, Vol. 42, Issue 5, pp. 711-6, (2017) ([PubMed](#)).



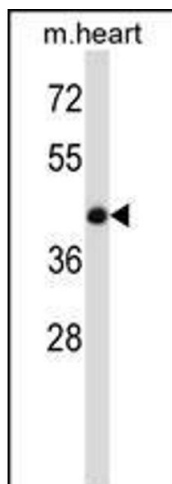
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. B Antibody (C-term) (ABIN657780 and ABIN2846754) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of B Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of B (arrow) using rabbit polyclonal B Antibody (C-term) (ABIN657780 and ABIN2846754). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the B gene.



Western Blotting

Image 3. B Antibody (C-term) (ABIN657780 and ABIN2846754) western blot analysis in mouse heart tissue lysates (35 µg/lane). This demonstrates the B antibody detected the B protein (arrow).