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# Datasheet for ABIN7442459 anti-BMP2 antibody (AA 24-396)

3 Images



### Overview

Quantity:	100 µL
Target:	BMP2
Binding Specificity:	AA 24-396
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

## Product Details

Purpose:	Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)
Immunogen:	Recombinant Bone Morphogenetic Protein 2 (BMP2) corresdonding to Leu24~Arg396 with N- terminal His Tag
Isotype:	lgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against BMP2. It has been selected for its ability to recognize BMP2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

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## Target Details

Target:	BMP2
Alternative Name:	Bone Morphogenetic Protein 2 (BMP2 Products)
Background:	BMP2A, BMP-2A, Hemochromatosis Modifier
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Regulation of Muscle Cell Differentiation, Growth Factor Binding, Positive Regulation of fat Cell
	Differentiation

# Application Details

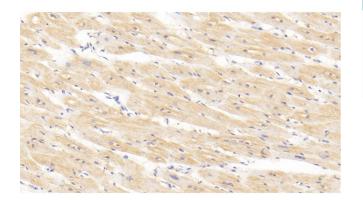
Application Notes:	Western blotting: 0.5-2 µg/mL
	Immunohistochemistry: 5-20 µg/mL
	Immunocytochemistry: 5-20 µg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at $37^{\circ}$ C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.

Restrictions: For Research Use only

# Handling

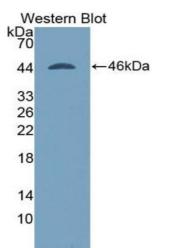
Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

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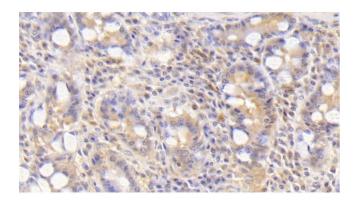
#### Immunohistochemistry

**Image 1.** Detection of BMP2 in Human Cardiac Muscle Tissue using Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)



#### **Western Blotting**

**Image 2.** Detection of Recombinant BMP2, Human using Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)



#### Immunohistochemistry

**Image 3.** Detection of BMP2 in Human Small intestine Tissue using Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)

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