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Datasheet for ABIN7441997
anti-BMP4 antibody (AA 22-408)

3 Images

Overview

Quantity:	100 µL
Target:	BMP4
Binding Specificity:	AA 22-408
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Bone Morphogenetic Protein 4 (BMP4)
Immunogen:	Recombinant Bone Morphogenetic Protein 4 (BMP4) corresponding to Ser22~Arg408 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against BMP4. It has been selected for its ability to recognize BMP4 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

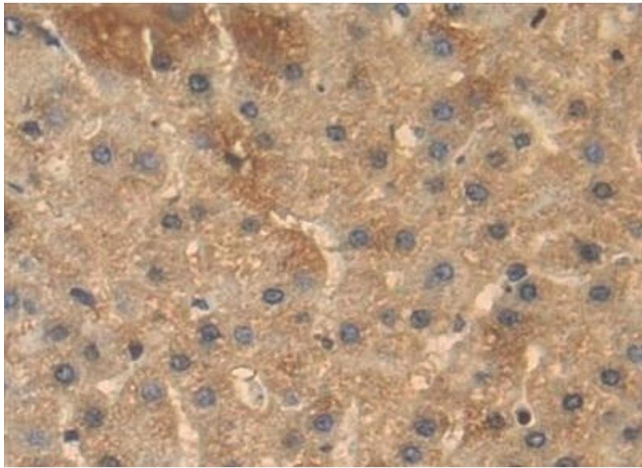
Target:	BMP4
Alternative Name:	Bone Morphogenetic Protein 4 (BMP4 Products)
Background:	BMP2B, BMP2-B, BMP2B1, ZYME, DVR4, Bone morphogenetic protein 2B
Pathways:	Steroid Hormone Mediated Signaling Pathway , Regulation of Muscle Cell Differentiation , Tube Formation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blotting: 0.5-5 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°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

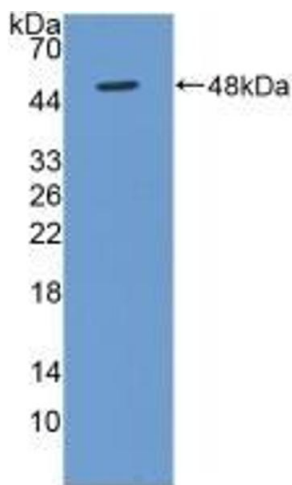
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



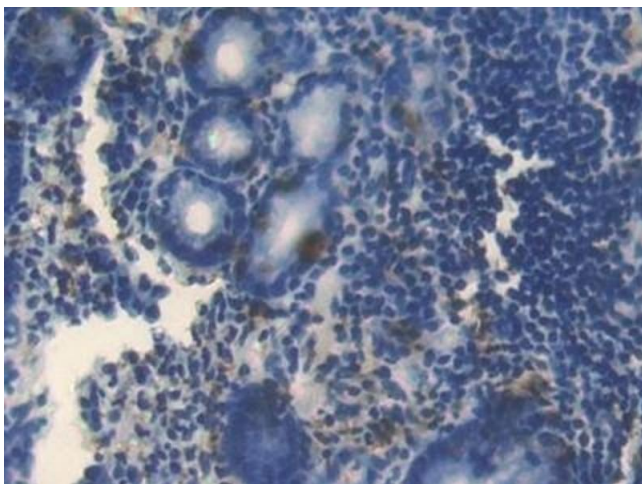
Immunohistochemistry

Image 1. Detection of BMP4 in Human Liver Tissue using Polyclonal Antibody to Bone Morphogenetic Protein 4 (BMP4)



Western Blotting

Image 2. Detection of Recombinant BMP4, Human using Polyclonal Antibody to Bone Morphogenetic Protein 4 (BMP4)



Immunohistochemistry

Image 3. Detection of BMP4 in Human Stomach Tissue using Polyclonal Antibody to Bone Morphogenetic Protein 4 (BMP4)