

Datasheet for ABIN2782814
anti-BMP10 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	BMP10
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of Human BMP10
Sequence:	GYEAYECRGV CNYPLAEHLT PTKHAIQAL VHLKNSQKAS KACCVPTKLE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against BMP10. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	BMP10
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Target Details

Alternative Name:	BMP10 (BMP10 Products)
Background:	<p>BMP10 is required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. It acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Inhibits endothelial cell migration and growth.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: BMPR2, ACVR2B, ACVR2A, SERINC3,</p> <p>Protein Size: 424</p>
Molecular Weight:	46 kDa
Gene ID:	27302
NCBI Accession:	NM_014482 , NP_055297
UniProt:	O95393
Pathways:	Hormone Activity , Regulation of Muscle Cell Differentiation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. Host: Rabbit Target Name: BM Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml