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Datasheet for ABIN1387078
anti-BMP10 antibody (AA 350-400)

1 Publication

Overview

Quantity:	100 µL
Target:	BMP10
Binding Specificity:	AA 350-400
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BMP10
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	BMP10
Alternative Name:	BMP10 (BMP10 Products)
Background:	Synonyms: Bone morphogenetic protein 1, BMP-1, BMP1

Target Details

Background: 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. 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. May reduce cell migration and cell matrix adhesion in breast cancer cell lines.

Gene ID: 27302

UniProt: [O95393](#)

Pathways: [Hormone Activity](#), [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 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: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Wu, Chen, Mi, Chen, Wang, Gao: "Expression analysis of BMP2, BMP5, BMP10 in human colon tissues from Hirschsprung disease patients." in: **International journal of clinical and experimental pathology**, Vol. 7, Issue 2, pp. 529-36, (2014) ([PubMed](#)).

