

# Anti-BMP10 Antibody

Rabbit polyclonal antibody to BMP10

Catalog # AP59832

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q95393</a>
<b>Other Accession</b>	<a href="#">Q9R229</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	48047

## Additional Information

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<b>Gene ID</b>	27302
<b>Other Names</b>	Bone morphogenetic protein 10; BMP-10
<b>Target/Specificity</b>	Recognizes endogenous levels of BMP10 protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	BMP10
<b>Function</b>	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.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Detected in mammary epithelia (at protein level).

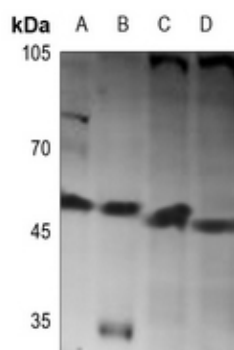
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BMP10. The exact sequence is proprietary.

## Images

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Western blot analysis of BMP10 expression in mouse liver (A), rat heart (B), Jurkat (C), HepG2 (D) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.