

**Anti-Human/Mouse/Rat BMP10 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04477**

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3th Edition

**Description:**BMP10 (Bone Morphogenetic Protein 10) is a Protein Coding gene. Diseases associated with BMP10 include Feingold Syndrome and Right Atrial Isomerism. Among its related pathways are GPCR Pathway and PEDF Induced Signaling. GO annotations related to this gene include cytokine activity and hormone activity. An important paralog of this gene is GDF2.This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which binds to the activin receptor-like kinase 1 (ALK1) and plays important roles in cardiovascular development including cardiomyocyte proliferation and regulation of heart size, closure of the ductus arteriosus, angiogenesis and ventricular trabeculation.

**Antigen:**Synthesized peptide derived from BMP-10

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**Detected in mammary epithelia (at protein level).