

BMP10 polyclonal antibody

Catalog: BS5628

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

BMP-10 (Bone morphogenetic protein 10) is a 424 amino acid secreted protein that exists as a disulfide-linked homodimer. Expressed specifically in heart tissue, BMP-10 functions to prevent the premature activation of p57 (a negative cell cycle regulator), thereby maintaining the proliferative activity of embryonic cardiomyocytes and playing a critical role in the formation of trabeculae within the developing heart. Additionally, BMP-10 inhibits the growth and migration of endothelial cells and functions as a ligand for ALK-1, a protein that is tightly linked to angiogenesis. This suggests that, in addition to its role in cardiomyocyte formation, BMP-10 participates in the formation of blood vessels in developing cardiac muscle.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 48 kDa

Swiss-Prot:

O95393

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

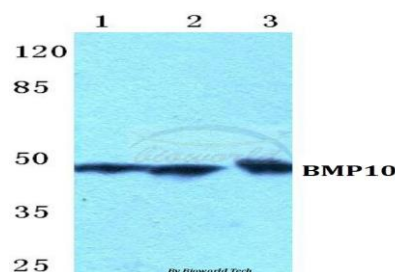
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

BMP10 polyclonal antibody detects endogenous levels of BMP10 protein.

DATA:



Western blot (WB) analysis of BMP10 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:NIH-3T3 cell lysate

Lane3:H9C2 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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