

BMP4 Polyclonal Antibody

Catalog No.	A1565	Category	Polyclonal Antibodies
Applications	WB, IF	Observed MW	46kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	46kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 30-300 of human BMP4 (NP_570912.2).
Gene ID	652
Swiss prot	P12644
Synonyms	BMP4; BMP2B; BMP2B1; MCOP56; OFC11; ZYME; bone morphogenetic protein 4

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

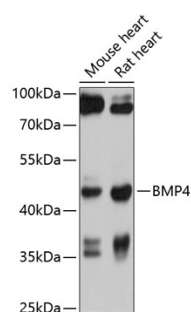
Background

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 each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.

Recommended Dilutions

WB 1:500 -
1:2000

IF 1:50 -
1:200



Western blot - BMP4 Polyclonal Antibody (A1565)