

## BMP4 Polyclonal Antibody

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

### Immunogen Information

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

### Product information

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

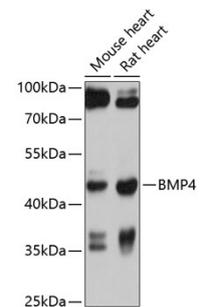
### Background

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)