

A11922

Leader in Biomolecular Solutions for Life Science



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## BMP4 Rabbit pAb

Catalog No.: A11922

### Basic Information

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**Observed MW**

52kDa

**Calculated MW**

47kDa

**Category**

Polyclonal Antibody

**Applications**

WB

**Cross-Reactivity**

Human,Mouse,Rat

### Background

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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

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WB 1:500 - 1:2000

### Immunogen Information

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**Gene ID**

652

**Swiss Prot**

P12644

**Immunogen**

Recombinant protein of human BMP4

**Synonyms**

ZYME; BMP2B; OFC11; BMP2B1; MCOPS6; BMP4

### Contact

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### Product Information

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**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

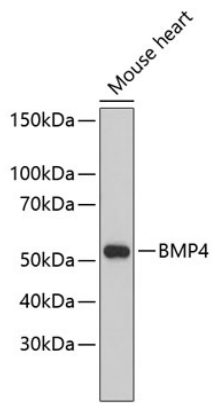
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of mouse heart, using BMP4 antibody (A11922).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.