

## BMP-2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00921
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human BMP-2. AA range:226-275
<b>Mol wt</b>	44702
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	BMP-2 Antibody
<b>Synonyms</b>	BMP2; BMP2A; Bone morphogenetic protein 2; BMP-2; Bone morphogenetic protein 2A; BMP-2A

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

BMP2 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, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients.

### Recommended Dilution

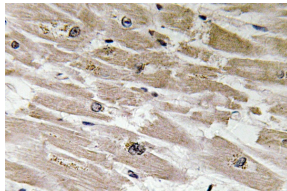
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

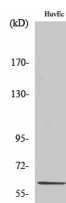
ELISA: 1: 20000

Not yet tested in other applications.

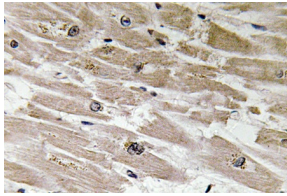
### Images



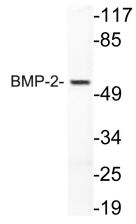
Immunohistochemistry analysis of BMP-2 antibody in paraffin-embedded human heart tissue.



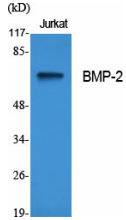
Western Blot analysis of HuvEc cells using BMP-2 Polyclonal Antibody diluted at 1:500



Immunohistochemistry of paraffin-embedded human heart tissue using antibody at dilution 1:100



Western blot analysis of lysate from HUVEC cells, using BMP-2 antibody.



Western Blot analysis of various cells using BMP-2 Polyclonal Antibody diluted at 1:500

### Storage

-20°C for one year

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