

# BMP2 Rabbit pAb

Catalog No.: A0231 **3 Publications**

## Basic Information

**Catalog No.**

A0231

**Observed MW**

45KDa

**Calculated MW**

44kDa

**Category**

Primary antibody

**Applications**

WB, IHC, IF

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:100
<b>IF</b>	1:50 - 1:200

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## 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, 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.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
650	P12643

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 283-396 of human BMP2 (NP\_001191.1).

**Synonyms**

BDA2;BMP2A;BMP2

## Product Information

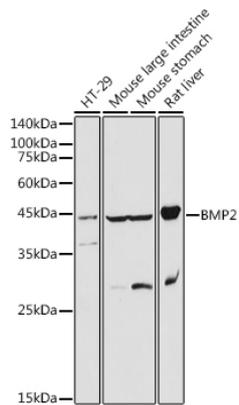
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

**Storage**

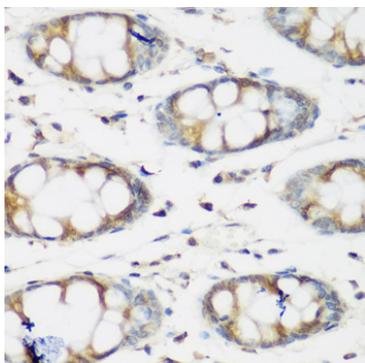
Store at -20°C. Avoid freeze / thaw cycles.

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

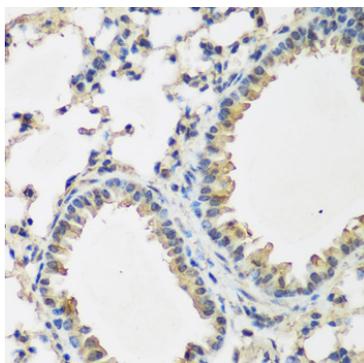
## Validation Data



Western blot analysis of extracts of various cell lines, using BMP2 antibody (A0231) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human colon using BMP2 antibody (A0231) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using BMP2 antibody (A0231) at dilution of 1:200 (40x lens).