

BMP2 antibody

Catalog No: #38107



Package Size: #38107-1 50ul #38107-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	BMP2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total BMP2 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human BMP2 (NP_001191.1).
Conjugates	Unconjugated
Target Name	BMP2
Other Names	BDA2;BMP2A;BMP2
Accession No.	Uniprot:P12643GeneID:650
SDS-PAGE MW	15KDa/26KDa/45KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

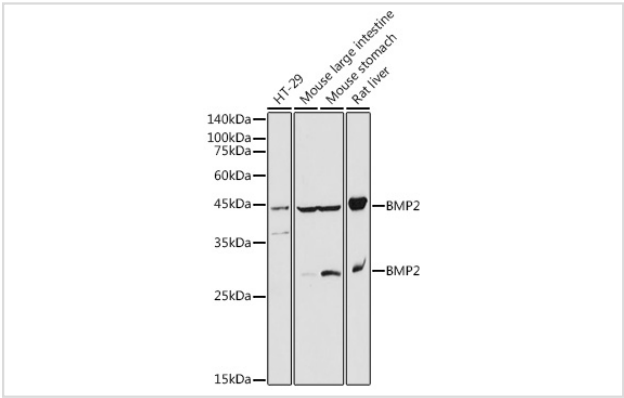
Application Details

WB 1:500 - 1:2000

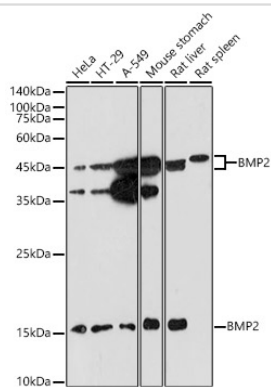
IHC 1:50 - 1:100

IF 1:50 - 1:200

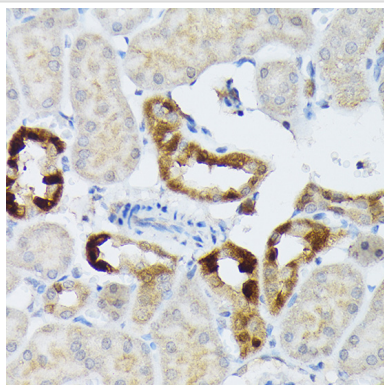
Images



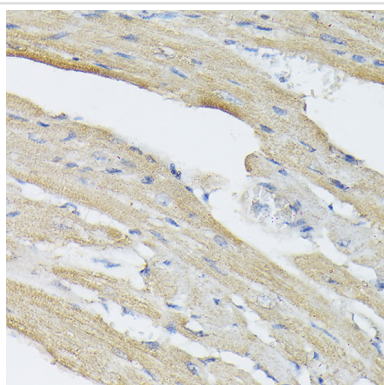
Western blot analysis of extracts of various cell lines, using BMP2 antibody.



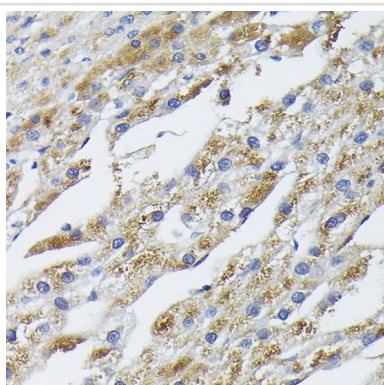
Western blot analysis of extracts of various cell lines, using BMP2 antibody.



Immunohistochemistry of paraffin-embedded mouse kidney using BMP2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded rat heart using BMP2 Rabbit pAb.



Immunohistochemistry of paraffin-embedded human liver cancer using BMP2 Rabbit pAb.

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.

Published Papers

el at., Asperosaponin VI, a saponin component from *Dipsacus asper* wall, induces osteoblast differentiation through bone morphogenetic protein-2/p38 and extracellular signal-regulated kinase 1/2 pathway. In *Phytother Res* on 2011 Nov by Niu Y, Li Y, et al.. PMID: 21452371, , (2011)
[PMID:21452371](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.