Product Data Sheet
BMP2 Rabbit Monoclonal Antibody

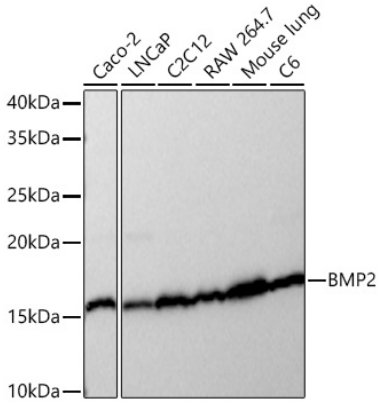
Product name:	BMP2 Rabbit Monoclonal Antibody
Cat number:	MAB27101
Conjugate:	Unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	BDA2; BMP2A; SSFSC; SSFSC1; BMP2
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Recombinant protein.This information is considered to be commercially sensitive.
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:1000 - 1:6000 IF/ICC 1:100 - 1:800 IP 0.5μg-4μg antibody for 300μg-500μg extracts of whole cells ELISA Recommended starting concentration is 1 μg/mL.
Molecular Weight:	12-45kDa
Purification:	Affinity purification
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.
Form:	liquid
Buffer:	PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.

For Research Use Only

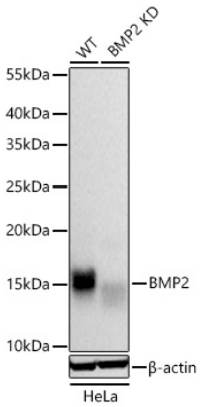
IMMUNOLOGICAL SCIENCES

Web-site: https://immunologicalsciences.com - E-mail: info@immunologicalsciences.com

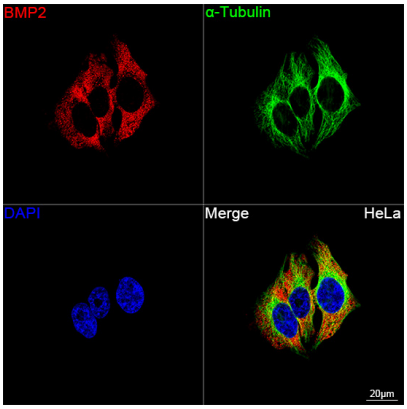
Product Data Sheet
BMP2 Rabbit Monoclonal Antibody



Western blot analysis of various lysates using BMP2 Rabbit mAb at 1:1000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Western blot analysis of various lysates using BMP2 Rabbit mAb at 1:1000 dilution incubated overnight at 4℃. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Negative control (NC): LNCaP Exposure time: 1s.



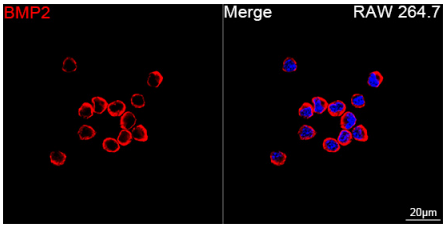
Confocal imaging of HeLa cells using BMP2 Rabbit mAb (dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (dilution 1:400) followed by incubation with AF488-conjugated Goat Anti-Mouse IgG (H+L) Ab (dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

For Research Use Only

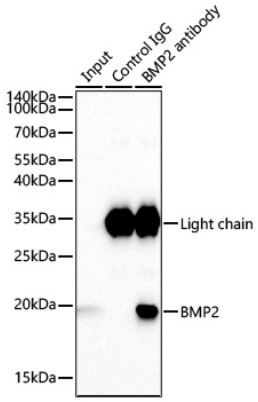
IMMUNOLOGICAL SCIENCES

Web-site: https://immunologicalsciences.com - E-mail: info@immunologicalsciences.com

Product Data Sheet
BMP2 Rabbit Monoclonal Antibody



Confocal imaging of RAW 264.7 cells using BMP2 Rabbit mAb (dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunoprecipitation of BMP2 from 400 µg extracts of Saos-2 cells was performed using 2 µg of BMP2 Rabbit mAb. Rabbit Control IgGwas used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using BMP2 Rabbit mAb at a dilution of 1 : 1000.