SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-BMP2 Monoclonal Antibody

Catalog Number: SLA1491M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
GeneID:	650
SWISS:	P12643
Target:	BMP2
Immunogen:	A synthesized peptide derived from human BMP2
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-1000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	45 kDa
Subcellular Location:	Secreted
Background:	Growth factor of the TGF-beta superfamily that plays essential roles in many developmental processes, including cardiogenesis, neurogenesis, and osteogenesis. Initiates the canonical BMP signaling cascade by associating with type I receptor BMPR1A and type II receptor BMPR2.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

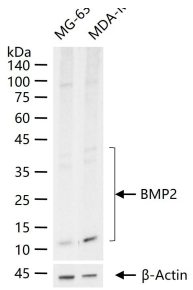


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with BMP2 monoclonal antibody, unconjugated (SLA1491M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

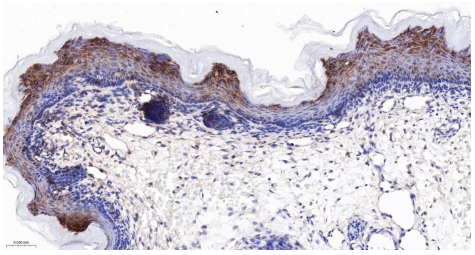


Figure 2. Paraformaldehyde-fixed, paraffin embedded Mouse Bone; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BMP2 Monoclonal Antibody, Unconjugated (SLA1491M) at 1:500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

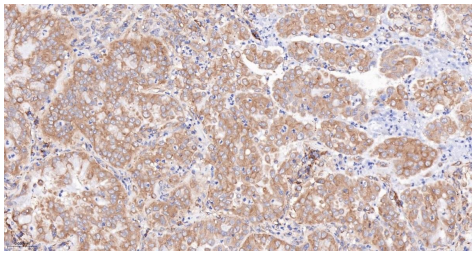


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BMP2 Monoclonal Antibody, Unconjugated (SLA1491M) at 1:500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

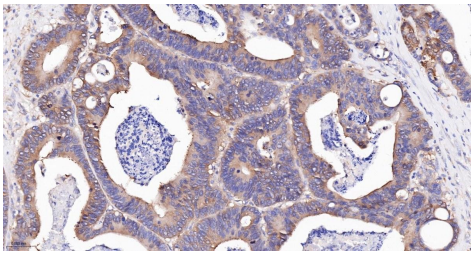


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BMP2 Monoclonal Antibody, Unconjugated (SLA1491M) at 1:500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

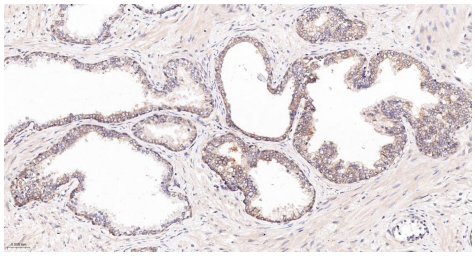


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Prostate Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with BMP2 Monoclonal Antibody, Unconjugated (SLA1491M) at 1:500 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.
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