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Rabbit Anti-BMPER antibody

SL6910R

Product Name:	BMPER
Chinese Name:	BMPendothelial cells调节蛋白抗体
Alias:	BMP binding endothelial regulator; BMP binding endothelial regulator precursor protein; Bone morphogenetic protein binding endothelial cell precursor derived regulator; CRIM3; Crossveinless 2; CV 2; CV2; hCV2; Protein crossveinless 2; BMPER_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	72kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human BMPER:501-600/686
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. Mutations in this gene are associated with a lethal skeletal disorder,

diaphanospondylodysostosis. [provided by RefSeq, Dec 2011].
BMPER is a BMP-binding protein that is expressed by endothelial cell precursors, has BMP-antagonizing activity, and may play a role in endothelial cell differentiation by modulating local BMP activity. It may also regulate BMP responsiveness in osteoblasts and chondrocytes.

Subunit:

Interacts with BMP4.

Subcellular Location:

Secreted.

Tissue Specificity:

Highly expressed in lung, and brain and also in primary chondrocytes.

Similarity:

Contains 1 TIL (trypsin inhibitory-like) domain. Contains 5 VWFC domains. Contains 1 VWFD domain.

SWISS:

Q8N8U9

Gene ID:

168667

Database links:

[Entrez Gene: 168667](#)Human

[Entrez Gene: 73230](#)Mouse

[Entrez Gene: 300455](#)Rat

[Oimim: 608699](#)Human

[SwissProt: Q8N8U9](#)Human

[SwissProt: Q8CJ69](#)Mouse

[Unigene: 660998](#)Human

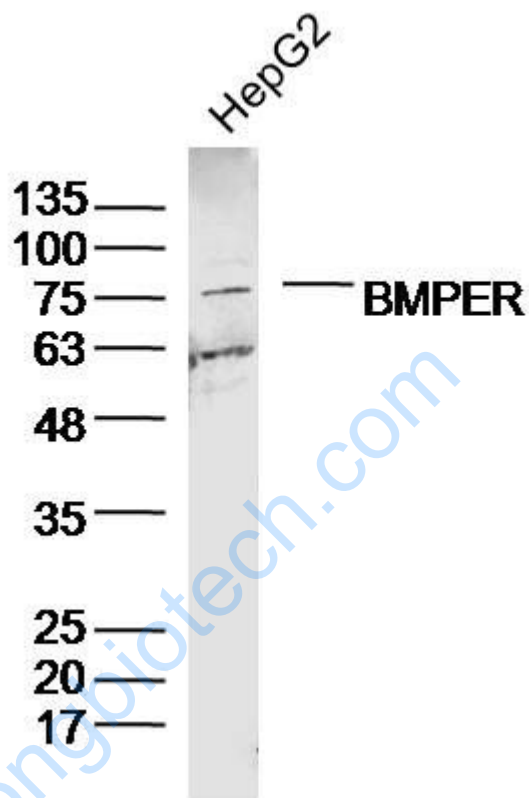
[Unigene: 735847](#)Human

[Unigene: 335020](#)Mouse

Important Note:

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

Picture:



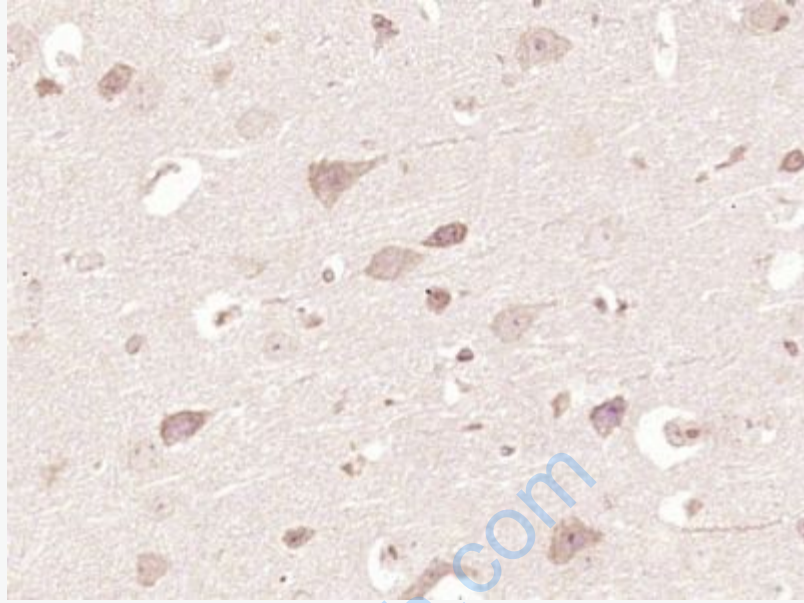
Sample: HepG2 Cell (Human) Lysate at 30 ug

Primary: Anti-BMPER (SL6910R) at 1/300 dilution

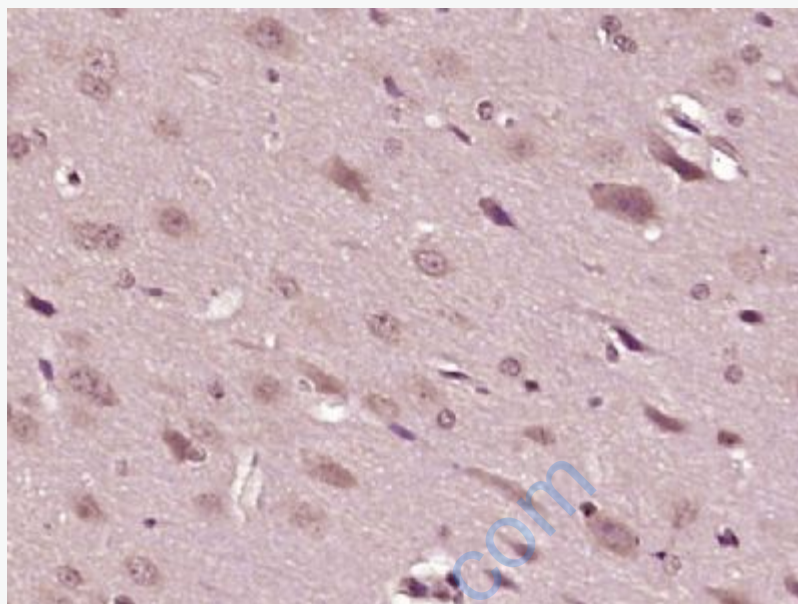
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 72kD

Observed band size: 75kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (BMPER) Polyclonal Antibody, Unconjugated (SL6910R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (BMPER) Polyclonal Antibody, Unconjugated (SL6910R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.