

Anti-BMP7 Rabbit pAb



GB115485 -20°C

Product Information			
Protein full name	Bone morphogenetic protein 7		
Synonyms	BMP 7, BMP7, BMP-7, bone morphogenetic protein 7, Eptotermin alfa, OP 1, OP1, Osteogenic protein 1		
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse BMP7		
Uniprot ID	P23359		
Isotype	IgG		
Purity	Affinity purification		
Predicted MW./Observed MW.	49 kDa / 49 kDa		
Applications	Species	Dilution	Positive Tissue
WB	Human	1: 300-1: 400	MCF7
Storage			
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Storage Buffer	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.		
background			
Growth factor of the TGF-beta superfamily that plays important role in various biological processes, including embryogenesis, hematopoiesis, neurogenesis and skeletal morphogenesis. Initiates the canonical BMP signaling cascade by associating with type I receptor ACVR1 and type II receptor ACVR2A. Once all three components are bound together in a complex at the cell surface, ACVR2A phosphorylates and activates ACVR1. In turn, ACVR1 propagates signal by phosphorylating SMAD1/5/8 that travel to the nucleus and act as activators and repressors of transcription of target genes. For specific functions such as growth cone collapse in developing spinal neurons and chemotaxis of monocytes, uses also BMPR2 as type II receptor.			
Images			



WB analysis of BMP7(GB115485).
Sample: Protein treated by RIPA Lysis Buffer (G2002).
Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.
Primary antibody: 1: 300, 4°C overnight.
Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG (H+L) (GB23303), 1: 5000, RT, 1h.

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