



Anti-BMP6 (N-terminal) polyclonal antibody (CPBT-28995RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human BMP6.
Antigen Description	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskelatal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development. In addition, the fact that this BMP is closely related to BMP5 and BMP7 has lead to speculation of possible bone inductive activity.
Immunogen	This antibody was generated from rabbits immunized with a KLH conjugated synthetic peptide (10-30 aa in length) at the N-term of the first 60 aa of human BMP6.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein G purified
Conjugate	Unconjugated
Applications	ELISA, WB
Sequence Similarities	Belongs to the TGF-beta family.
Cellular Localization	Secreted.
Format	Liquid

Size	100 µg
Buffer	Preservative: 0.09% Sodium Azide Constituents: PBS
Preservative	0.09% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	BMP6 bone morphogenetic protein 6 [Homo sapiens]
Official Symbol	BMP6
Synonyms	BMP6; bone morphogenetic protein 6; vegetal related growth factor (TGFB related) , VGR; VGR1; BMP-6; Bmp6; BMP6_HUMAN; Bone morphogenetic protein 6; Bone Morphogenic Protein 6; Decapentaplegic vegetal related; DVR6; HGNC:12686; TGFB related vegetal related growth factor; Transforming growth factor beta; Vegetal related (TGFB related) cytokine; Vg related sequence; VG-1-R; VG-1-related protein; VGR-1; VGR1; BMP-6; VGR-1; VG-1-R; VG-1-related protein; Vg1-related sequence; vegetal-related (TGFB related) cytokine; vegetal related growth factor (TGFB-related); VGR;
Entrez Gene ID	654
Protein Refseq	NP_001709
UniProt ID	P22004
Chromosome Location	6p24-p23
Pathway	BMP receptor signaling, organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling pathway, conserved biosystem; Id Signaling Pathway, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; TGF-beta signaling pathway, conserved biosystem;
Function	BMP receptor binding; cytokine activity; growth factor activity; protein heterodimerization activity;