

Rabbit Anti-Human BMP 7 Polyclonal Antibody

Cat. No. CPB-1276RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IgG Anti Human BMP 7 is developed in rabbit using recombinant Human BMP 7 produced in plants. Purified IgG prepared by affinity chromatography on protein G. Purity >98%.
Species	Human
Source	Rabbit
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 extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity.
Immunogen	STGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVSFRDLGWQDWIIAPEGYAAYYCEGECAFLNSYMNATNHAIVQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH
Cross Reactivity	No cross reactions with other mammalian proteins.
Formulation	Provided as 0.2 µm sterile filtered solution in phosphate buffered saline. Lyophilized.
Applications	1. Western Blot: to detect human INHBA by WB analysis this IgG can be used in a

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dilution of 1/500.2. Neutralization: No data available. Where this antibody has not been tested for use in a particular technique this not necessarily excludes its use in such procedures. Optimal dilution conditions should be determined by the final user.

Storage

Store at -20°C. For long term storage freezes in working aliquots at -20°C. Repeated freezing and thawing is not recommended.

GENE INFORMATION

Gene Name BMP7 bone morphogenetic protein 7 [Homo sapiens]

Official Symbol BMP 7

Synonyms

BMP 7; bone morphogenetic protein 7; OP-1; OTTHUMP00000031357; OTTHUMP00000166092; OTTHUMP00000166093; OTTHUMP00000166094; osteogenic protein 1; Eptotermin alfa.

Gene ID 655

mRNA Refseq NM_001719

Protein Refseq NP_001710

MIM 112267

UniProt ID P18075

Chromosome Location 20q13

Function cytokine activity; growth factor activity; heparin binding; protein binding; contributes to

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protein binding.

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