

Anti-BMP3A Antibody
Rabbit polyclonal antibody to BMP3A
Catalog # AP59487**Specification**

Anti-BMP3A Antibody - Product Information

Application	WB, IP
Primary Accession	P12645
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53372

Anti-BMP3A Antibody - Additional Information**Gene ID** 651**Other Names**

BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic protein 3A; BMP-3A; Osteogenin

Target/Specificity

Recognizes endogenous levels of BMP3A protein.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)

IP~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-BMP3A Antibody - Protein Information**Name** BMP3**Synonyms** BMP3A**Function**

Growth factor of the TGF-beta superfamily that plays an essential role in developmental process by inducing and patterning early skeletal formation and by negatively regulating bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification (PubMed:11138004, PubMed:15269709). Initiates signaling cascades by associating with type II receptor

ACVR2B to activate SMAD2-dependent and SMAD-independent signaling cascades including TAK1 and JNK pathways (PubMed:31665064).

Cellular Location

Secreted.

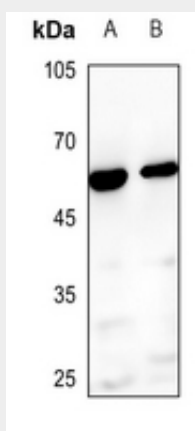
Tissue Location

Expressed in adult and fetal cartilage.

Anti-BMP3A Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-BMP3A Antibody - Images

Western blot analysis of BMP3A expression in mouse lung (A), mouse kidney (B) whole cell lysates.

Anti-BMP3A Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BMP3A. The exact sequence is proprietary.