

BMP2 Monoclonal Antibody

Catalog No. E-AB-70352

Note: Centrifuge before opening to ensure complete recovery of vial contents.

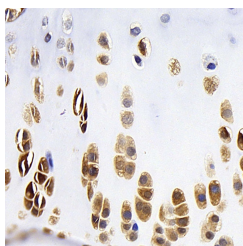
Description

Reactivity	Rat
Immunogen	Recombinant protein corresponding to Mouse BMP2
Host	Mouse
Isotype	IgG
Clone	2H6D12
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

IHC	1:200-1:800
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Data



Immunohistochemistry analysis of paraffin-embedded rat bone using BMP2 Monoclonal Antibody at dilution of 1:400.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Bone morphogenetic protein-2 (BMP-2) is a member of the transforming growth factor-beta (TGFB) superfamily. BMP2 is synthesized as a 60 kDa precursor that is processed in the secretory pathway to a small 18 kDa monomer; 2 monomers then associate to form the active 30 kDa homodimer, which binds to its receptor. There is also a 40-45 kDa form of BMP2, as an amino-terminal propeptide. BMP2 can induce bone formation and regeneration during early embryonic development. It is involved in the hedgehog pathway, TGF beta signaling pathway, and cytokine-cytokine receptor interaction.

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