

Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com

BMP2 Ab

Images(1)

Cat.#: DF6034 Concn.: ~1mg/ml Mol.Wt.: 44kDa Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200

*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02%

sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from

date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using

SulfoLinkTM Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human BMP2, corresponding to a

region within the internal amino acids.

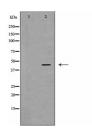
Uniprot: P12643

Description: Bone morphogenetic proteins (BMPs) were first identified as molecules that

can induce ectopic bone and cartilage formation (1,2). BMPs are

synthesized as precursor proteins that are processed by cleavage to produce mature proteins. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5 and 8), resulting in the translocation of Smad to the nucleus. BMP was also reported to activate MAPK pathways

in some systems (3,4).



Western blot analysis of extracts from HeLa, using BMP2 Ab. The lane on the left was treated with the antigen-specific peptide.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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