

# Anti-BMP8B Antibody

Catalog # AP59975

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IF/IC              |
| Primary Accession | <a href="#">P34820</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 44768                  |

## Additional Information

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 656                                                                                                                                  |
| Other Names        | BMP8; Bone morphogenetic protein 8B; BMP-8; BMP-8B; Osteogenic protein 2; OP-2                                                       |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BMP8B. The exact sequence is proprietary. |
| Dilution           | WB~~WB (1/500 - 1/1000) IF/IC~~N/A                                                                                                   |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                            |

## Protein Information

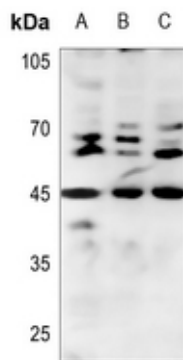
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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | BMP8B                                                                                                                                                                                                      |
| Synonyms          | BMP8                                                                                                                                                                                                       |
| Function          | Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis (By similarity). |
| Cellular Location | Secreted.                                                                                                                                                                                                  |

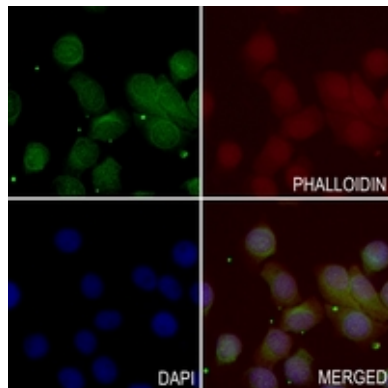
## Images

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Western blot analysis of BMP8B expression in HEK293T (A), A549 (B), H446 (C) whole cell lysates. (Predicted band



size: 44 kD; Observed band size: 45 kD)



Immunofluorescent analysis of BMP8B staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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