9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# KD-Validated Anti-Bone morphogenetic protein 6 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG2332

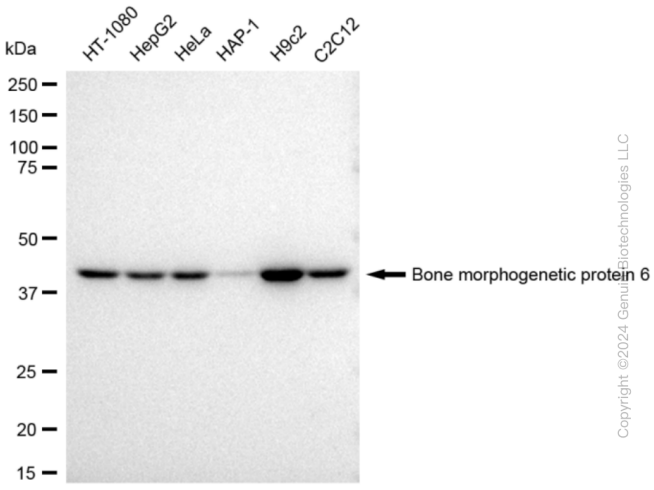
## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-Bone morphogenetic protein 6 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | P22004 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human BMP6 |
| **Species Reactivity** | Human, Mouse, Rat |
| **Calculated MW** | Predicted, 57 kDa ; Observed, 42 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000 |

## Target information (P22004)

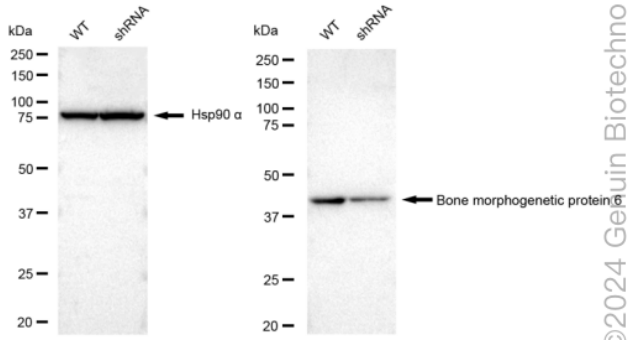
| | |
|---|---|
| **Gene Name** | BMP6 |
| **About Gene Symbol** | BMP6 (Bone Morphogenetic Protein 6) is a cytokine and immune signaling protein involved in TGF-β signaling. It is an important research target in bone biology and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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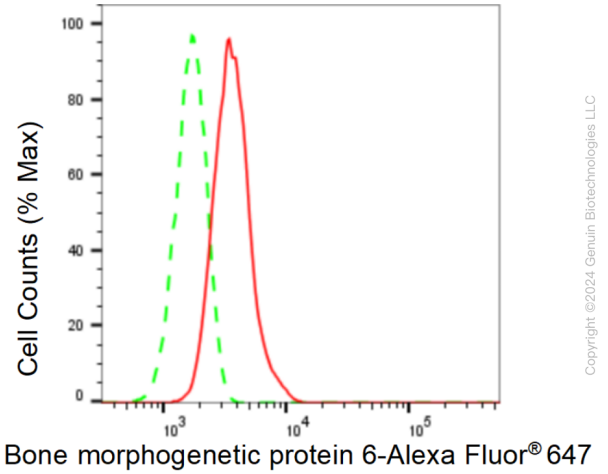

Western blotting analysis using anti-Bone morphogenetic protein 6 antibody (Cat#ABG2332). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Bone morphogenetic protein 6 antibody (Cat#ABG2332, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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Western blotting analysis using anti-Bone morphogenetic protein 6 antibody (Cat#ABG2332). Bone morphogenetic protein 6 expression in wild type (WT) and Bone morphogenetic protein 6 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Bone morphogenetic protein 6 antibody (Cat#ABG2332, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

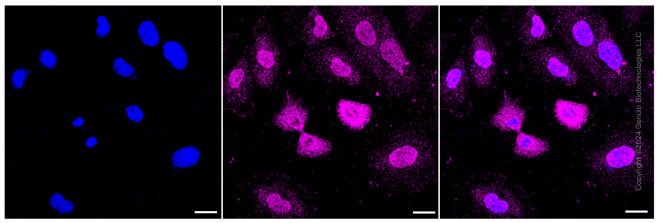
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Flow cytometric analysis of Bone morphogenetic protein 6 expression in H9c2 cells using Bone morphogenetic protein 6 antibody (Cat#ABG2332, 1:2,000). Green, isotype control; red, Bone morphogenetic protein 6.

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Immunocytochemical staining of H9c2 cells with Bone morphogenetic protein 6 antibody (Cat#ABG2332, 1:1,000). Nuclei were stained blue with DAPI; Bone morphogenetic protein 6 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.