

Anti-BMP2 Antibody [JE10-29]

HA722693



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 45 kDa
Clone number:	JE10-29

Description: Bone morphogenetic protein 2 or BMP-2 belongs to the TGF- β superfamily of proteins. BMP-2 like other bone morphogenetic proteins,[6] plays an important role in the development of bone and cartilage. It is involved in the hedgehog pathway, TGF beta signaling pathway, and in cytokine-cytokine receptor interaction. It is also involved in cardiac cell differentiation and epithelial to mesenchymal transition. Like many other proteins from the BMP family, BMP-2 has been demonstrated to potently induce osteoblast differentiation in a variety of cell types. BMP-2 may be involved in white adipogenesis and may have metabolic effects.

Immunogen: Recombinant protein within

Positive control: Caco-2 cell lysate, Saos-2 cell lysate, LNCaP cell lysate, HeLa cell lysate, Human lung tissue lysate, Human liver tissue lysate, Mouse spleen tissue lysate, Rat spleen tissue lysate.

Subcellular location: Secreted.

Database links: SwissProt: P12643 Human | P21274 Mouse | P49001 Rat

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

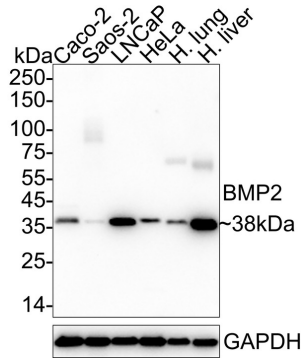
Service mail:support@huabio.cn

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Images

Fig1: Western blot analysis of BMP2 on different lysates with Rabbit anti-BMP2 antibody (HA722693) at 1/1,000 dilution.

Lane 1: Caco-2 cell lysate
 Lane 2: Saos-2 cell lysate
 Lane 3: LNCaP cell lysate
 Lane 4: HeLa cell lysate
 Lane 5: Human lung tissue lysate
 Lane 6: Human liver tissue lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 45 kDa
 Observed band size: 38 kDa

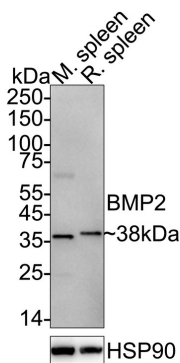
Exposure time: 1 minute 2 seconds; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (HA722693) at 1/1,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Fig2: Western blot analysis of BMP2 on different lysates with Rabbit anti-BMP2 antibody (HA722693) at 1/1,000 dilution.

Lane 1: Mouse spleen tissue lysate
 Lane 2: Rat spleen tissue lysate



Lysates/proteins at 20 µg/Lane.

Predicted band size: 45 kDa
 Observed band size: 38 kDa

Exposure time: 3 minutes; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (HA722693) at 1/1,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Yang Z et al. Hydrogel armed with Bmp2 mRNA-enriched exosomes enhances bone regeneration. J Nanobiotechnology. 2023 Apr
2. Li TT et al. BMP2 as a promising anticancer approach: functions and molecular mechanisms. Invest New Drugs. 2022 Dec

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