

Anti-BMP-7 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human, Mouse, Rat, Rabbit (predicted: Chicken, Dog, Pig, Cow, Horse, Sheep)
Molecular Weight: Theoretical: 15.7/47 kDa. Actual: 47 kDa.
Purification: Protein A purified

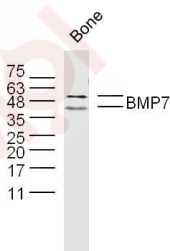
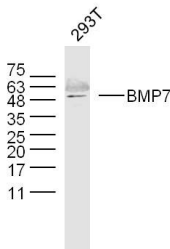
Applications

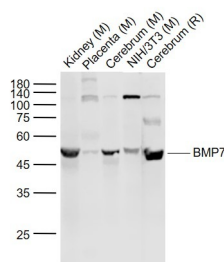
1. Sample:
293T Cell (Human) Lysate at 30 μ g
Primary: Anti-BMP7 (TMAB-00245) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 15.7/47 kDa
Observed band size: 49/40 kDa

2. Sample:
Bone (Mouse) Lysate at 40 μ g
Primary: Anti-BMP7 (TMAB-00245) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 15.7/47 kDa
Observed band size: 47,50 kDa

3. Sample:
Lane 1: Kidney (Mouse) Lysate at 40 μ g
Lane 2: Placenta (Mouse) Lysate at 40 μ g
Lane 3: Cerebrum (Mouse) Lysate at 40 μ g
Lane 4: NIH/3T3 (Mouse) Cell Lysate at 30 μ g
Lane 5: Cerebrum (Rat) Lysate at 40 μ g
Primary: Anti-BMP7 (TMAB-00245) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kDa
Observed band size: 47 kDa

Verified Activity:





Application: IF,IHC-Fr,WB

Recommended WB: 1:500-2000; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human BMP7

Antigen Species: Human

Gene ID: 655

Uniprot ID: P18075

Synonyms: OP1;BMP7;Osteogenic protein 1 (OP-1);Bone morphogenetic protein 7;BMP-7

Biology Area: Cell differentiation,Cell differentiation,Kidney development,Nervous system development,Lipid metabolism,Bone,TGF,Secreted

Research Background

The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity. [provided by RefSeq].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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