

## Anti-DMP-1 Antibody

|                            |  |                    |
|----------------------------|--|--------------------|
| <b>CATALOG NO:</b>         | 3844-30T   | 30 µg (Trial size) |
|                            | 3844-100   | 100 µg             |
| <b>HOST:</b>               | Rabbit   |                    |
| <b>ANTIBODY TYPE:</b>      | Polyclonal   |                    |
| <b>IMMUNOGEN:</b>          | Synthetic peptide corresponding to residues surrounding amino acids 21 of rat DMP-1 (ID# BV-A15) |                    |
| <b>SPECIES REACTIVITY:</b> | Human  |                    |

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti-DMP-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.5 mM EDTA and 0.03% proclin

### STORAGE CONDITIONS:

Store at -20 °C. For long-term storage, aliquot and freeze at -70 °C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

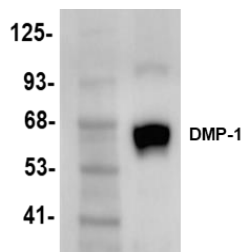
DMP-1 (Dentin matrix protein1) is a member of the integrin ligand N-linked glycoprotein family. It is mostly found in bone, tooth and hypertrophic cartilage. DMP-1 plays an important role in dentin and bone mineralization. DMP-1 has multiple serine, glutamic acid and aspartic acid residues, a GAG attachment site and RGD motif. DMP-1 is proteolytically processed into multiple fragments in the extracellular matrix (ECM) of bone and dentin.

### SPECIFICITY:

The antibody recognizes ~60 kDa DMP-1 of human origins. Reactivity to other species has not been tested.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting. However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3844BP-50) is available separately.



Western blot analysis of DMP-1 in Jurkat cell lysate.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit
- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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