

## Rabbit DMP1 Polyclonal Antibody | anti-DMP1 antibody

DMP1 antibody

|                               |                       |                                        |                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA301997</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------|

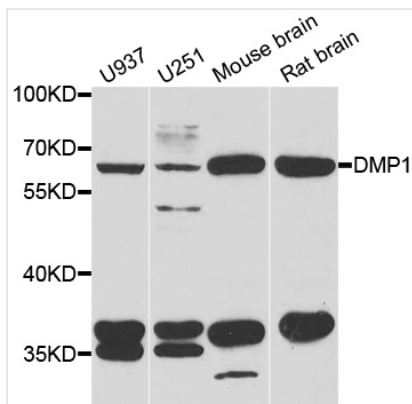
### PRODUCT SYNONYMS

DMP1; Polyclonal Antibody; DMP1 antibody; ARHP; ARHR; DMP-1; anti-DMP1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                       |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                   |
| Specificity                                    | The antibody detects endogenous level of total DMP1 antibody.                                                                                                |
| Purity/Purification                            | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Sequence Length                                | 497                                                                                                                                                          |
| Applicable Applications for anti-DMP1 antibody | WB (Western Blot)                                                                                                                                            |
| Immunogen Type                                 | Recombinant Protein                                                                                                                                          |
| Immunogen Description                          | Recombinant protein of human DMP1.                                                                                                                           |
| Target Name                                    | DMP1                                                                                                                                                         |
| Preparation and Storage                        | Store at -20 degree C                                                                                                                                        |

### IMAGES


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using DMP1 antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DMP1 antibody | Dentin matrix acidic phosphoprotein is an extracellular matrix protein and a member of the small integrin binding ligand N-linked glycoprotein family. This protein, which is critical for proper mineralization of bone and dentin, is present in diverse cells of bone and tooth tissues. The protein contains a large number of acidic domains, multiple phosphorylation sites, a functional arg-gly-asp cell attachment sequence, and a DNA binding domain. In undifferentiated osteoblasts it is primarily a nuclear protein that regulates the expression of osteoblast-specific genes. During osteoblast maturation the protein becomes phosphorylated and is exported to the extracellular matrix, where it orchestrates mineralized matrix formation. Mutations in the gene are known to cause autosomal recessive hypophosphatemia, a disease that manifests as rickets and osteomalacia. The gene structure is conserved in mammals. Two transcript variants encoding different isoforms have been described for this gene. |
| Product Categories/Family for anti-DMP1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 121256621                                       |
| NCBI GeneID                      | 1758                                            |
| NCBI Accession #                 | NP_001073380.1                                  |
| NCBI GenBank Nucleotide #        | NM_001079911.2                                  |
| UniProt Accession #              | Q13316; O43265; A1L4L3                          |
| Molecular Weight                 | 54,115 Da                                       |
| NCBI Official Full Name          | dentin matrix acidic phosphoprotein 1 isoform 2 |
| NCBI Official Synonym Full Names | dentin matrix acidic phosphoprotein 1           |
| NCBI Official Symbol             | DMP1                                            |
| NCBI Official Synonym Symbols    | ARHP; ARHR; DMP-1                               |
| NCBI Protein Information         | dentin matrix acidic phosphoprotein 1           |
| UniProt Protein Name             | Dentin matrix acidic phosphoprotein 1           |
| UniProt Gene Name                | DMP1                                            |
| UniProt Synonym Gene Names       | DMP-1; Dentin matrix protein 1                  |
| UniProt Entry Name               | DMP1_HUMAN                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dmp1-antibody-western-blot-elisa/301997>