

**(** Tel: 400-999-8863 ■ Email:Upingbio.163.com



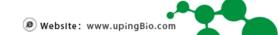
# DMP1 Polyclonal Antibody

Catalog No	YP-Ab-04988
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	DMP1
Protein Name	Dentin matrix acidic phosphoprotein 1 (DMP-1) (Dentin matrix protein 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 430-510
Specificity	DMP1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Purity Storage Stability	≥90% -20°C/1 year
-	
Storage Stability	
Storage Stability Synonyms	-20°C/1 year
Storage Stability Synonyms Observed Band	-20°C/1 year  56kD  Nucleus . Cytoplasm . Secreted, extracellular space, extracellular matrix . In proliferating preosteoblasts it is nuclear, during early maturation stage is cytoplasmic and in mature osteoblast localizes in the mineralized matrix. Export from the nucleus of differentiating osteoblast is triggered by the release of calcium from intracellular stores followed by a massive influx of this pool of calcium into



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#### preosteoblasts

#### **Background**

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 conser

## matters needing attention

Avoid repeated freezing and thawing!

#### **Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

C

DSPP



DMP1

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**GAPDH** 



MCD(μg/mL)

0

50

100 200

Metformin carbon nanodots promote odontoblastic differentiation of dental pulp stem cells by pathway of autophagy. Frontiers in Bioengineering and Biotechnology Yi Li WB Human