

bs-10316R**[Primary Antibody]****DSPP Rabbit pAb****Bioss**
ANTIBODIES

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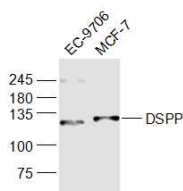
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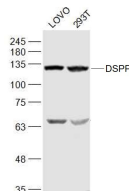
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DATASHEET

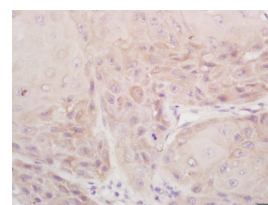
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human Predicted MW.: 47/129 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Polyclonal		
GeneID: 1834	SWISS: Q9NZW4	
Target: DSPP		
Immunogen: KLH conjugated synthetic peptide derived from human Dentin sialoprotein: 31-130/1301.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: This gene encodes two principal proteins of the dentin extracellular matrix of the tooth. The preproprotein is secreted by odontoblasts and cleaved into dentin sialoprotein and dentin phosphoprotein. Dentin phosphoprotein is thought to be involved in the biomineralization process of dentin. Mutations in this gene have been associated with dentinogenesis imperfecta-1; in some individuals, dentinogenesis imperfecta occurs in combination with an autosomal dominant form of deafness. Allelic differences due to repeat polymorphisms have been found for this gene. [provided by RefSeq, Jul 2008]		

VALIDATION IMAGES

Sample: EC-9706(Human) Cell Lysate at 30 ug
MCF-7(Human) Cell Lysate at 30 ug
Primary: Anti-DSPP (bs-10316R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47/129 kD
Observed band size: 129 kD



Sample: LOVO(Human) Cell Lysate at 30 ug
293T(Human) Cell Lysate at 30 ug
Primary: Anti-DSPP (bs-10316R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 140 kD
Observed band size: 130 kD



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-DSPP Polyclonal Antibody, Unconjugated(bs-10316R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=10.8]** Li Ye. et al. Mandible-derived extracellular vesicles regulate early tooth development in miniature swine via targeting KDM2B. INT J ORAL SCI. 2025 Apr;17(1):1-10 WB,IF ;Fig. 40289114
- **[IF=8.5]** Haoqing Yang. et al. miR615-3p inhibited FBLN1 and osteogenic differentiation of umbilical cord mesenchymal stem cells by associated with YTHDF2 in a m6A-miRNA interaction manner. CELL PROLIFERAT. 2024 Feb;;e13607 WB,IF ;Human. 38353178
- **[IF=8.3]** Jilin Wu. et al. Heparin-Functionalized Bioactive Glass to Harvest Endogenous Growth Factors for Pulp

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Regeneration. ACS APPL MATER INTER. 2024;XXXX(XXX):XXX-XXX IHC ;Mouse. 38833722

- **[IF=8.079]** Luo Bin. et al. Residual periodontal ligament in the extraction socket promotes the dentin regeneration potential of DPSCs in the rabbit jaw. STEM CELL RES THER. 2023 Dec;14(1):1-14 IHC ;Rabbit. 36941706
- **[IF=7.1]** Wu Wenzhi. et al. KLF6-mediated glutamine metabolism governs odontogenic differentiation and matrix mineralization of dental pulp stem cells. STEM CELL RES THER. 2025 Dec;16(1):1-19 WB ;Human. 40234972