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## DSPP Rabbit pAb

Catalog Number: bs-10316R

Target Protein: DSPP

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

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: Secreted, Extracellular matrix

Locations:

Entrez Gene: 1834

Swiss Prot: Q9NZW4

Source: KLH conjugated synthetic peptide derived from human Dentin sialoprotein: 31-130/1301.

Purification: affinity purified by Protein A

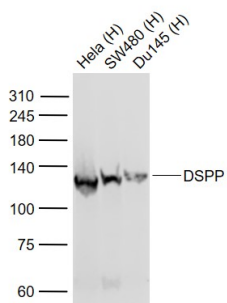
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

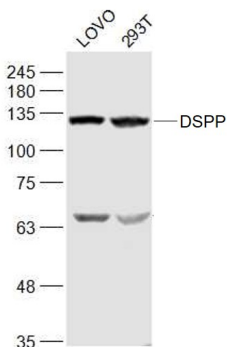
**Background:** This gene encodes two principal proteins of the dentin extracellular matrix of the tooth. The preproprotein is secreted by odontoblasts and cleaved into dentin sialoprotein and dentin phosphoprotein. Dentin phosphoprotein is thought to be involved in the biomineralization process of dentin. 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

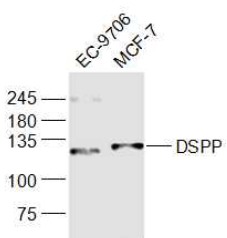
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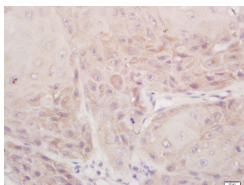
Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug Lane 2: SW480 (Human) Cell Lysate at 30 ug Lane 3: Du145 (Human) Cell Lysate at 30 ug Primary: Anti-DSPP (bs-10316R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 140 kD Observed band size: 130 kD



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



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



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

## PRODUCT SPECIFIC PUBLICATIONS

**[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 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=6.684]** Ning Wang. et al. miR-6807-5p Inhibited the Odontogenic Differentiation of Human Dental Pulp Stem Cells Through Directly Targeting METTL7A. Front Cell Dev Biol. 2021; 9: 759192 IHC ; Mouse . 34790668

**[IF=7.1]** Wang Wanqing. et al. NQO1 promotes osteogenesis and suppresses angiogenesis in DPSCs via MAPK pathway modulation. STEM CELL RES THER. 2024 Dec;15(1):1-18 IHC,WB ; Mouse . 39285500