

**DSPP Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18118a****Specification**

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**DSPP Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q9NZW4](#)

**DSPP Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 1834

**Other Names**

Dentin sialophosphoprotein, Dentin phosphoprotein, Dentin phosphophoryn, DPP, Dentin sialoprotein, DSP, DSPP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**DSPP Antibody (N-term) Blocking Peptide - Protein Information**

**Name** DSPP

**Function**

DSP may be an important factor in dentinogenesis. DPP may bind high amount of calcium and facilitate initial mineralization of dentin matrix collagen as well as regulate the size and shape of the crystals.

**Cellular Location**

Secreted, extracellular space, extracellular matrix

**Tissue Location**

Expressed in teeth. DPP is synthesized by odontoblast and transiently expressed by pre-ameloblasts

**DSPP Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**DSPP Antibody (N-term) Blocking Peptide - Images****DSPP Antibody (N-term) Blocking Peptide - Background**

This gene encodes two principal proteins of the dentinextracellular 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].

**DSPP Antibody (N-term) Blocking Peptide - References**

Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Bai, H., et al. BMC Med. Genet. 11, 23 (2010) :Kida, M., et al. Eur. J. Oral Sci. 117(6):691-694(2009) Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :Qu, E.J., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 26(5):536-538(2009)