

# **AMELX Antibody (C-term) Blocking Peptide**

Synthetic peptide Catalog # BP8864b

### **Specification**

### **AMELX Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession

**Q99217** 

# AMELX Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 265

#### **Other Names**

Amelogenin, X isoform, AMELX, AMG, AMGX

### Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/products/AP8864b>AP8864b</a> was selected from the C-term region of human AMELX. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

#### **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.

### **AMELX Antibody (C-term) Blocking Peptide - Protein Information**

**Name AMELX** 

Synonyms AMG, AMGX

#### **Function**

Plays a role in biomineralization. Seems to regulate the formation of crystallites during the secretory stage of tooth enamel development. Thought to play a major role in the structural organization and mineralization of developing enamel.

#### **Cellular Location**

Secreted, extracellular space, extracellular matrix

# **AMELX Antibody (C-term) Blocking Peptide - Protocols**



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

### • Blocking Peptides

## **AMELX Antibody (C-term) Blocking Peptide - Images**

# **AMELX Antibody (C-term) Blocking Peptide - Background**

Amelx (amelogenin X chromosome) is an extracellular matrix protein secreted by ameloblasts and is a major component of enamel matrix. The Amelogenin plays a role in the biomineralization of teeth. It seems to regulate the formation of crystallites during the secretory stage of tooth enamel development. The protein is also thought to play a major role in the structural organization and mineralization of developing enamel. Recently, in addition to their role in enamel formation, the biological activity of enamel proteins in the process of cell differentiation has recently become widely appreciated.

# **AMELX Antibody (C-term) Blocking Peptide - References**

Tarasevich, B.J., et.al., Biopolymers 91 (2), 103-107 (2009)