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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 AP8864b 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

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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)