

AMELX Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13169a**Specification**

AMELX Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q99217](#)**AMELX Antibody (N-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 AP13169a was selected from the N-term region of 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 (N-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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AMELX Antibody (N-term) Blocking Peptide - Images

AMELX Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the amelogenin family of extracellular matrix proteins. Amelogenins are involved in biomineralization during tooth enamel development. Mutations in this gene cause X-linked amelogenesis imperfecta. Alternative splicing results in multiple transcript variants encoding different isoforms.

AMELX Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Almqvist, S., et al. J Mater Sci Mater Med 21(3):947-954(2010) Lee, S.K., et al. J. Dent. Res. 89(1):46-50(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Tomas, C., et al. Forensic Sci Int Genet 3(1):1-6(2008)