

MMP20 Antibody (Center) Blocking Peptide

Synthetic peptide Catalog # BP6203a

Specification

MMP20 Antibody (Center) Blocking Peptide - Product Information

Primary Accession 060882 Other Accession NP 004762

MMP20 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9313

Other Names

Matrix metalloproteinase-20, MMP-20, 3424-, Enamel metalloproteinase, Enamelysin, MMP20

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP6203a was selected from the Center region of human MMP20 . 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.

MMP20 Antibody (Center) Blocking Peptide - Protein Information

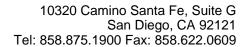
Name MMP20

MMP20 Antibody (Center) Blocking Peptide - Background

MMP20 degrades amelogenin, the major protein component of the enamel matrix, as well as two of the macromolecules characterizing the cartilage extracellular matrix: aggrecan and the cartilage oligomeric matrix protein (COMP). MMP20 may play a central role in tooth enamel formation.

MMP20 Antibody (Center) Blocking Peptide - References

Llano, E., et al., Biochemistry 36(49):15101-15108 (1997). Stracke, J.O., et al., FEBS Lett. 478 (1-2), 52-56 (2000).





Function

Degrades amelogenin, the major protein component of the enamel matrix and two of the macromolecules characterizing the cartilage extracellular matrix: aggrecan and the cartilage oligomeric matrix protein (COMP). May play a central role in tooth enamel formation. Cleaves aggrecan at the '360-Asn-|-Phe-361' site.

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed specifically in the enamel organ.

MMP20 Antibody (Center) Blocking Peptide - Protocols

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

• Blocking Peptides