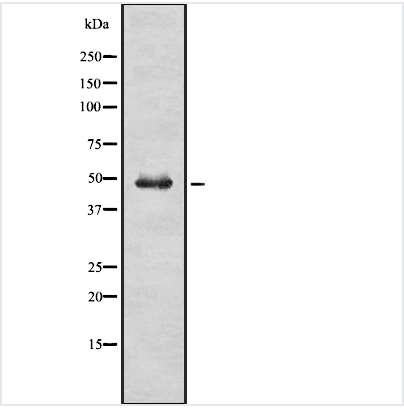
# Ameloblastin (AMBN) Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | Ameloblastin (AMBN), Polyclonal Antibody |
| **Full Product Name** | Ameloblastin Antibody |
| **Product Gene Name** | anti-AMBN antibody |
| **Product Synonym Names** | AMBN; Ameloblastin |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Concentration** | 1.0mg/mL (lot specific) |
| **Specificity** | Ameloblastin Antibody detects endogenous levels of total Ameloblastin |
| **Preparation and Storage** | Store at -20 degree C |
| **Molecular Weight** | 46,577 Da |
| **OMIM** | AF263464 mRNA |
| **3D Structure** | ModBase 3D Structure for Q9NP70 |
| **Immunogen** | A synthesized peptide derived from human Ameloblastin |
| **Immunogen Type** | Peptide |
| **Product Categories/Family for anti-AMBN antibody** | Total protein Ab |
| **Applications Tested/Suitable for anti-AMBN antibody** | Western Blot (WB) |
| **Related Product Information for anti-AMBN antibody** | MBS9418709 is an antibody targeting AMBN. Also known as Ameloblastin Antibody. Reactive in Human. Host: Rabbit. |
| **Other Notes** | Small volumes of anti-AMBN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |




**Western Blot (WB) of anti-AMBN antibody**
Western blot analysis Ameloblastin using RAW264.7 whole cell lysates

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AMBN. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 7706067 |
| **NCBI GeneID** | 258 |
| **NCBI Accession #** | NP_057603.1 |
| **UniProt Primary Accession #** | Q9NP70 |
| **UniProt Secondary Accession #** | Q3B862; Q9H2X1; Q9H4L1 |
| **UniProt Related Accession #** | Q9NP70 |
| **GenBank Nucleotide #** | NM_016519.5 |
| **NCBI Official Full Name** | ameloblastin |
| **NCBI Official Synonym Full Names** | ameloblastin |
| **NCBI Official Symbol** | AMBN |
| **NCBI Official Synonym Symbols** | AI1F |
| **UniProt Protein Name** | Ameloblastin |
| **Protein Family** | Ameloblastin |
| **UniProt Gene Name** | AMBN |
| **UniProt Entry Name** | AMBN_HUMAN |
| **NCBI Protein Information** | ameloblastin |
| **NCBI Summary for AMBN** | This gene encodes the nonamelogenin enamel matrix protein ameloblastin. The encoded protein may be important in enamel matrix formation and mineralization. This gene is located in the calcium-binding phosphoprotein gene cluster on chromosome 4. Mutations in this gene may be associated with dentinogenesis imperfect and autosomal dominant amylogenesis imperfect. [provided by RefSeq, Aug 2011] |

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| **UniProt Comments for AMBN** | AMBN: Involved in the mineralization and structural organization of enamel. Belongs to the ameloblastin family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Secreted; Secreted, signal peptide<br><br>Chromosomal Location of Human Ortholog: 4q21<br><br>Molecular Function: growth factor activity; protein binding<br><br>Biological Process: cell adhesion; cell proliferation<br><br>Disease: Amelogenesis Imperfecta, Type If |
| **Research Articles on AMBN** | **1.** Association between caries experience (caries-free versus caries affected) depending on asthma status and SNPs was tested. Logistic regression showed an association between AMBN rs4694075 and caries experience. Ameloblastin is associated w/caries in asthmatic children. |
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