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Rabbit Anti-AMBN antibody

SL12467R

Product Name:	AMBN
Chinese Name:	釉基质蛋白抗体
Alias:	AMBN; AMBN_HUMAN; Ameloblastin (enamel matrix protein); Ameloblastin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AMBN:21-120/447
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Dental enamel is a highly mineralized tissue with most of its volume occupied by large, highly organized, hydroxyapatite crystals. This structure is thought to be controlled through the interaction of many organic matrix molecules including amelogenin, ameloblastin, enamelin, tuftelin and several other enzymes. All of these secreted proteins are involved in the mineralization and enamel matrix formation in developing tooth enamel. Ameloblastin (AMBN), which localizes to the extracellular matrix, is an ameloblast-specific protein. It is detected in the sheath space between rod-interrod

enamel and at the Tomes processes of secretory ameloblasts. Defects in the gene encoding for ameloblastin, AMBN, can be seen in patients with ameloblastomas.

Function:
Involved in the mineralization and structural organization of enamel.

Subcellular Location:
Secreted > extracellular space > extracellular matrix.

Tissue Specificity:
Ameloblast-specific. Located at the Tomes processes of secretory ameloblasts and in the sheath space between rod-interrod enamel.

Similarity:
Belongs to the ameloblastin family.

SWISS:
Q9NP70

Gene ID:
258

Database links:

Entrez Gene: 258Human

Omim: 601259Human

SwissProt: Q9NP70Human

Unigene: 272396Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.