

ENAM rabbit monoclonal antibody

Catalog # H00010117-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ENAM peptide using ARM Technology.
Immunogen	A synthetic peptide of human ENAM is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ENAM peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ENAM

Entrez GeneID [10117](#)

GeneBank Accession# [ENAM](#)

Gene Name ENAM

Gene Alias ADAI, AI1C, AIH2

Gene Description enamelin

Omim ID [104500 606585 608563](#)

Gene Ontology [Hyperlink](#)

Gene Summary Dental enamel is a highly mineralized tissue with 85% of its volume occupied by unusually large, highly organized, hydroxyapatite crystals. This highly organized and unusual structure is thought to be rigorously controlled in ameloblasts through the interaction of a number of organic matrix molecules that include enamelin, amelogenin (AMELX; MIM 300391), ameloblastin (AMBN; MIM 601259), tuftelin (TUFT1; MIM 600087), dentine sialophosphoprotein (DSPP; MIM 125485), and a variety of enzymes. Enamelin is the largest protein in the enamel matrix of developing teeth and comprises approximately 5% of total enamel matrix protein.[supplied by OMIM]

Other Designations OTTHUMP00000160363|amelogenesis imperfecta 2, hypocalcification (autosomal dominant)

Disease

- [Dental Caries](#)