10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ENAM Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5838b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9NRM1
Other Accession	NP_114095.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20947
Calculated MW	128785
Antigen Region	1097-1126

Additional Information

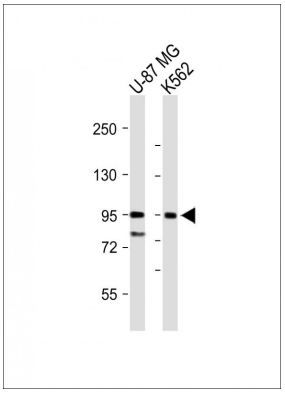
Gene ID	10117
Other Names	Enamelin, ENAM
Target/Specificity	This ENAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1097-1126 amino acids from the C-terminal region of human ENAM.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ENAM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

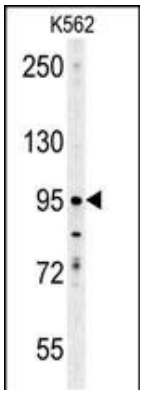
Name	ENAM
Function	Involved in the mineralization and structural organization of enamel. Involved in the extension of enamel during the secretory stage of dental enamel formation.

Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:O97939}
Tissue Location	Expressed in tooth particularly in odontoblast, ameloblast and cementoblast.

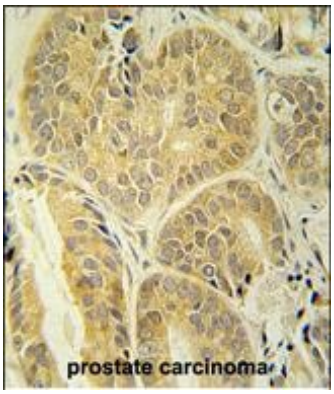
Images



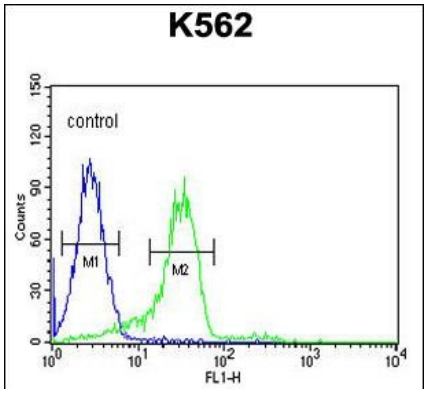
All lanes : Anti-ENAM Antibody (C-term) at 1:1000 dilution Lane 1: U-87 MG whole cell lysate Lane 2: K562 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 95kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ENAM Antibody (C-term) (Cat. #AP5838b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ENAM antibody detected the ENAM protein (arrow).



ENAM antibody(C-term) (Cat. #AP5838b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ENAM antibody(C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ENAM Antibody (C-term) (Cat. #AP5838b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- TNF-α-induced IL-6 and MMP-9 expression in immortalized ameloblastoma cell line established by hTERT.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.