

Rabbit anti-Human AMELX Polyclonal Antibody | anti-AMELX antibody

AMELX Antibody (N-term)

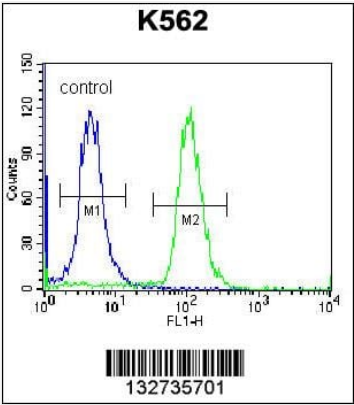
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289827	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

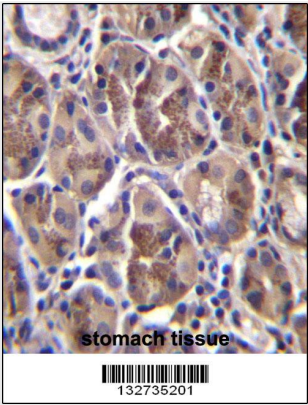
AMELX; Polyclonal Antibody; AMELX Antibody (N-term); Amelogenin; X isoform; AMG; AMGX; anti-AMELX antibody

PRODUCT SPECIFICATIONS

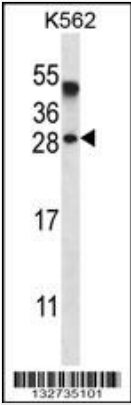
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AMELX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-46 amino acids from the N-terminal region of human AMELX.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	17-46
Sequence Length	205
Applicable Applications for anti-AMELX antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
AMELX Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
AMELX Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of AMELX Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
AMELX Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the AMELX antibody detected the AMELX protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AMELX antibody	This gene encodes a member of the amelogenin family of extracellular matrix proteins. Amelogenins are involved in biomineralization during tooth enamel development. Mutations in this gene cause X-linked amelogenesis imperfecta. Alternative splicing results in multiple transcript variants encoding different isoforms.
Product Categories/Family for anti-AMELX antibody	Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Almqvist, S., et al. J Mater Sci Mater Med 21(3):947-954(2010) Lee, S.K., et al. J. Dent. Res. 89(1):46-50(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Tomas, C., et al. Forensic Sci Int Genet 3(1):1-6(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502071
NCBI GeneID	265

NCBI Accession #	NP_001133.1; NP_872621.1; NP_872622.1
NCBI GenBank Nucleotide #	NM_001142.2
UniProt Accession #	Q99217; Q96NW6; Q9UCA7
Molecular Weight	21603
NCBI Official Full Name	amelogenin, X isoform isoform 1
NCBI Official Synonym Full Names	amelogenin, X-linked
NCBI Official Symbol	AMELX
NCBI Official Synonym Symbols	AMG; AI1E; AIH1; ALGN; AMGL; AMGX
NCBI Protein Information	amelogenin, X isoform
UniProt Protein Name	Amelogenin, X isoform
UniProt Gene Name	AMELX
UniProt Synonym Gene Names	AMG; AMGX
UniProt Entry Name	AMELX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/amelx-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289827>