

Rabbit AMELX Polyclonal Antibody | anti-AMELX antibody

AMELX Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329193	Rabbit	Human, Mouse, Monkey Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Dog(100%)	ELISA

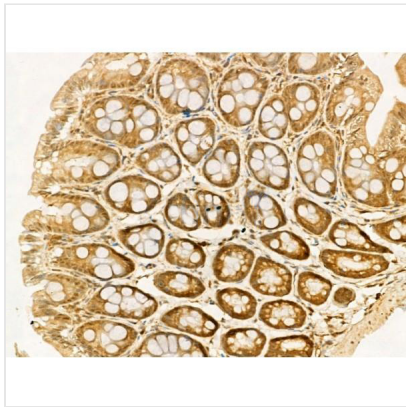
PRODUCT SYNONYMS

AMELX; Polyclonal Antibody; AMELX Antibody; AI1E; AIH1; ALGN; Amel; Amelogenesis imperfecta 1; Amelogenin (amelogenesis imperfecta 1; X linked); Amelogenin (X chromosome); Amelogenin (X chromosome; amelogenesis imperfecta 1); Amelogenin; Amelogenin X isoform; X linked; AMELX_HUMAN; Amg; AMGL; AMGX; OTTHUMP00000022906; OTTHUMP00000022907; X isoform; anti-AMELX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Monkey Predicted Reactivity: Pig(100%), Bovine(100%), Horse(88%), Dog(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	AMELX Antibody detects endogenous levels of total AMELX.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	191
Applicable Applications for anti-AMELX antibody	ELISA
Immunogen	A synthesized peptide derived from human AMELX, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

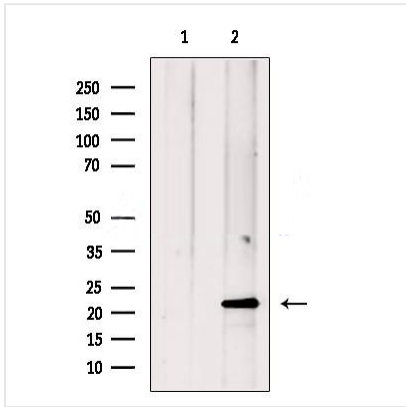
IMAGES



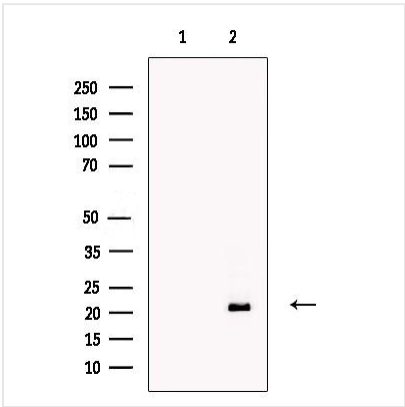
IHC (Immunohistochemistry)
AAA329193 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329193 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from COS, using AMELX Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Jurkat, using AMELX Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AMELX antibody	Function: Plays a role in biomineralization. Seems to regulate the formation of crystallites during the secretory stage of tooth enamel development. Thought to play a major role in the structural organization and mineralization of developing enamel.
	Post Translational Modifications: Phosphorylated by FAM20C in vitro.
	Subcellular Location: Secreted>Extracellular space>Extracellular matrix.
	Similarity: Belongs to the amelogenin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502071
NCBI GeneID	265
NCBI Accession #	NP_001133.1
NCBI GenBank Nucleotide #	NP_001133.1
UniProt Accession #	Q99217

Molecular Weight	Observed Molecular Weight: (Observed)21kD. Predicted Molecular Weight: (Calculated)22kDa.
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://www.aaabiotech.com/polyclonal/amelx-antibody-elisa/329193>