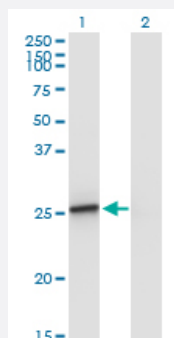


AMELX monoclonal antibody (M02A), clone 5B2

Catalog # H00000265-M02A

Size 200 uL

Applications

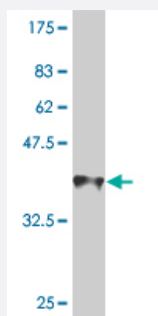


Western Blot (Transfected lysate)

Western Blot analysis of AMELX expression in transfected 293T cell line by AMELX monoclonal antibody (M02A), clone 5B2.

Lane 1: AMELX transfected lysate (Predicted MW: 21.6 kDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.63 kDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AMELX.
Immunogen	AMELX (NP_001133, 93 a.a. ~ 191 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.
Sequence	PVIPQQPMMPVPGQHSMTPIQHHQPNLPPPAQQPYQPQPVPQPHQPMQPPVHPMQPLPPQPPLPPMFPMQPLPMLPDLTLEAWPSTDKTKREEVD
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Rat (75)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AMELX expression in transfected 293T cell line by AMELX monoclonal antibody (M02A), clone 5B2.

Lane 1: AMELX transfected lysate (Predicted MW: 21.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — AMELX

Entrez GeneID	265
GeneBank Accession#	NM_001142
Protein Accession#	NP_001133
Gene Name	AMELX
Gene Alias	AIH1, ALGN, AMG, AMGL, AMGX
Gene Description	amelogenin (amelogenesis imperfecta 1, X-linked)
Omim ID	300391 301200
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000022906|OTTHUMP00000022907|amelogenin (X chromosome)|amelogenin (X chromosome, amelogenesis imperfecta 1)

Disease

- [Cardiovascular Diseases](#)
- [Dental Caries](#)
- [Diabetes Mellitus](#)
- [Edema](#)