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AMELX Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant AMELX.
Catalog # AT1131a

Product Information

Application	WB, E
Primary Accession	Q99217
Other Accession	NM_001142
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3B5
Calculated MW	21603

Additional Information

Gene ID	265
Other Names	Amelogenin, X isoform, AMELX, AMG, AMGX
Target/Specificity	AMELX (NP_001133, 93 a.a. ~ 191 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	AMELX Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

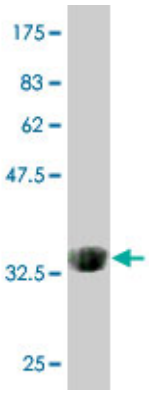
Background

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.

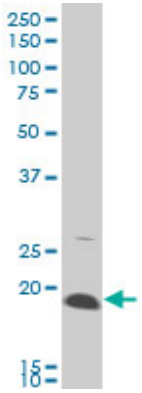
References

1.Expression of odontogenic ameloblast-associated protein, amelotin, ameloblastin, and amelogenin in odontogenic tumors: immunohistochemical analysis and pathogenetic considerations.Crivelini MM, Felipini RC, Miyahara GI, de Sousa SC.J Oral Pathol Med. 2011 Sep 21. doi: 10.1111/j.1600-0714.2011.01079.x.

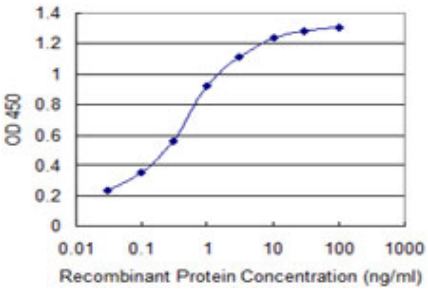
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



AMELX monoclonal antibody (M03), clone 3B5 Western Blot analysis of AMELX expression in A-431 ((Cat # AT1131a)



Detection limit for recombinant GST tagged AMELX is 0.03 ng/ml as a capture antibody.

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