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AMELX Antibody (monoclonal) (M03)

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

Specification

AMELX Antibody (monoclonal) (M03) - Product Information

Application	**WB, E**
Primary Accession	Q99217
Other Accession	NM_001142
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**21603**

AMELX Antibody (monoclonal) (M03) - 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

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.

AMELX Antibody (monoclonal) (M03) - Protocols

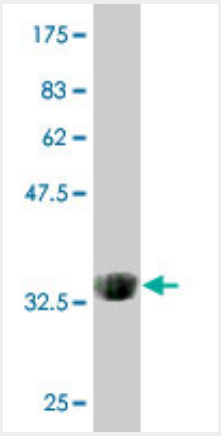
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

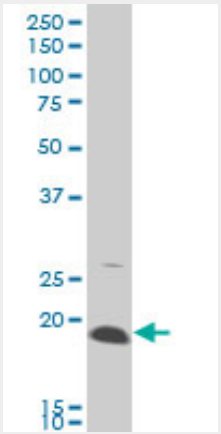
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

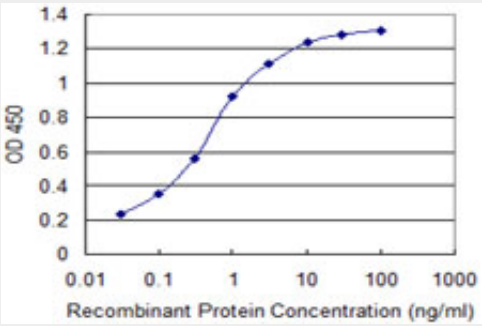
AMELX Antibody (monoclonal) (M03) - Images



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.

AMELX Antibody (monoclonal) (M03) - 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.

AMELX Antibody (monoclonal) (M03) - 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.