


Product datasheet

Anti-AMG antibody ab153915

★★★★★ [4 Abreviews](#) [9 References](#) [2 Images](#)

Overview

Product name	Anti-AMG antibody
Description	Rabbit polyclonal to AMG
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Monkey 
Immunogen	Recombinant fragment corresponding to Human AMG aa 1-191. Database link: Q99217
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab153915 in the following tested applications.

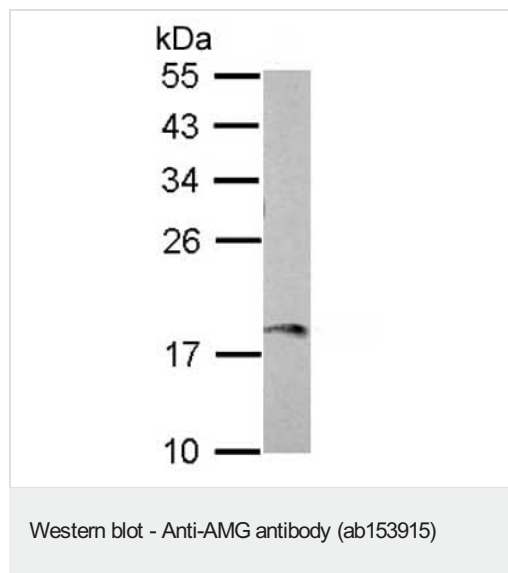
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 22 kDa.
IHC-P	★★★★★ (2)	Use at an assay dependent concentration. PubMed: 29089903

Target

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.
Involvement in disease	Defects in AMELX are the cause of amelogenesis imperfecta hypoplastic type 1 (AIH1) [MIM:301200]. AIH1 is a X-linked defect of dental enamel formation. Teeth have only a thin layer of enamel with normal hardness. The thinness of the enamel makes the teeth appear small.
Sequence similarities	Belongs to the amelogenin family.
Developmental stage	Transiently but abundantly expressed by ameloblasts during tooth development. Amelogenin is the predominant protein in developing dental enamel.
Cellular localization	Secreted > extracellular space > extracellular matrix.

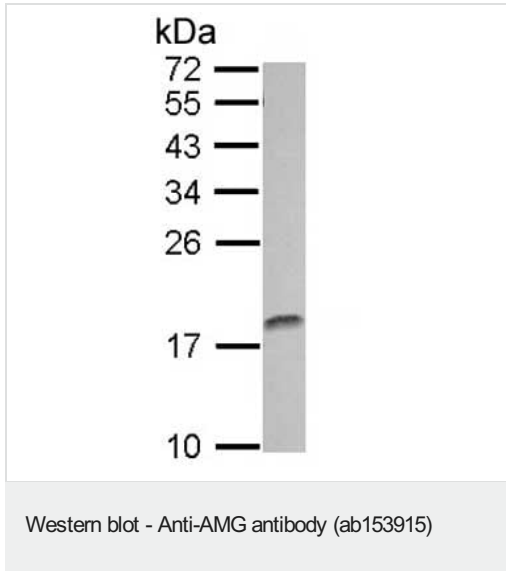
Images



Anti-AMG antibody (ab153915) at 1/500 dilution + NIH 3T3 whole cell lysate at 30 µg

Predicted band size: 22 kDa

12% SDS PAGE



Anti-AMG antibody (ab153915) at 1/500 dilution + Jurkat whole cell lysate at 30 µg

Predicted band size: 22 kDa

12% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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