

Product datasheet

Anti-MAEA antibody ab232987

10 Images

Overview

Product name	Anti-MAEA antibody
Description	Rabbit polyclonal to MAEA
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Chicken, Xenopus laevis, Zebrafish, Cynomolgus monkey, Orangutan 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Human MAEA aa 136-379. (Expressed in E.coli). Sequence: CGYNTAVKLARQSGIEDLVNIEMFLTAKEVEESLERRETA TCLAWCHDN KSRLRKMKSCLEFSLRIQEFIELIRQNKRLDAVRHARKHFS QAEGSQLDE VRQAMGMLAFPPDTHISPYKDLLDPARWRMLIQQFRYDNY RLHQLGNNSV FTLTLQAGLSAIKTPQCYKEDGSSKSPDCPVCSRSLNKLA QPLPMAHCAN SRLVCKISGDVMNENPPMMLPNGYVYGYNLLSIRQDDK VVCP Database link: Q7L5Y9  Run BLAST with  Run BLAST with
Positive control	WB: Recombinant human MAEA protein; Mouse cerebrum and pancreas lysates. IHC-P: Human breast cancer, skin cancer, cerebrum, colorectal cancer, bile duct cancer and kidney tissues.
General notes	Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough. Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility. We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab232987 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab232987** in the following tested applications.

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

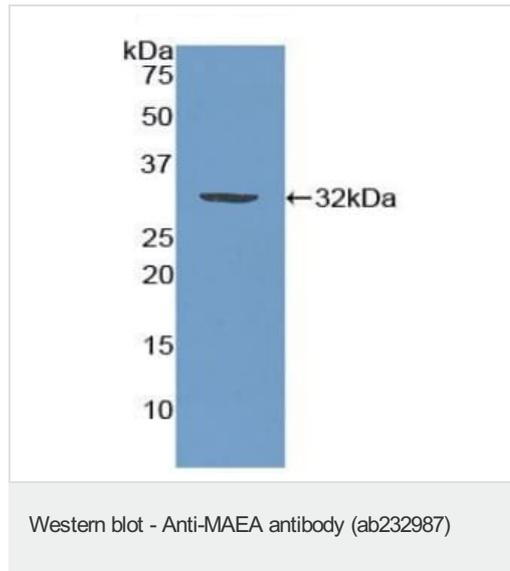
Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 45 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function	Plays a role in erythroblast enucleation and in the development of the mature macrophages. Mediates the attachment of erythroid cell to mature macrophages, in correlation with the presence of MAEA at cell surface of mature macrophages; This MAEA-mediated contact inhibits erythroid cells apoptosis. Participates to erythroblastic island formation, which is the functional unit of definitive erythropoiesis. Associates with F-actin to regulate actin distribution in erythroblasts and macrophages. May contribute to nuclear architecture and cells division events.
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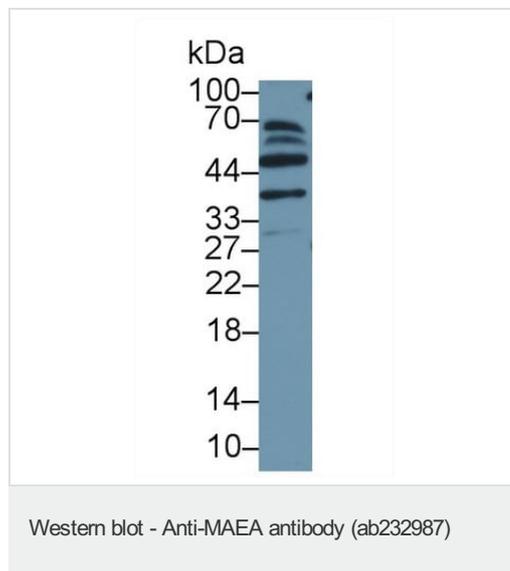
Tissue specificity	Ubiquitous.
Sequence similarities	Contains 1 CTLH domain. Contains 1 LisH domain.
Developmental stage	Localized with condensed chromatin at prophase; Detected in nuclear spindle poles at metaphase and in the contractile ring during telophase and cytokinesis.
Cellular localization	Nucleus matrix. Cell membrane. Cytoplasm, cytoskeleton. Localized as nuclear speckled-like pattern.

Images



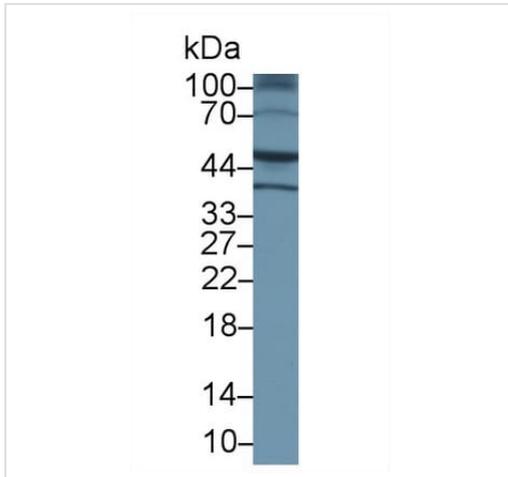
Anti-MAEA antibody (ab232987) at 2 µg/ml + Recombinant human MAEA protein

Predicted band size: 45 kDa



Anti-MAEA antibody (ab232987) at 2 µg/ml + Mouse cerebrum lysate

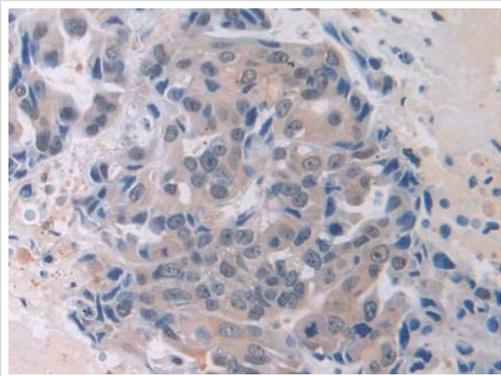
Predicted band size: 45 kDa



Western blot - Anti-MAEA antibody (ab232987)

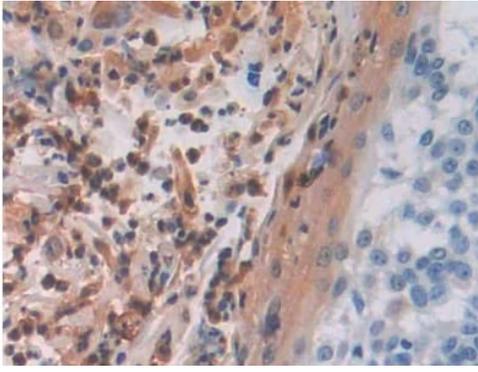
Anti-MAEA antibody (ab232987) at 2 $\mu\text{g/ml}$ + Mouse pancreas lysate

Predicted band size: 45 kDa



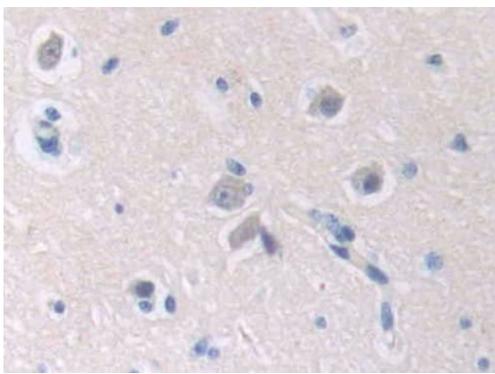
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human breast cancer tissue stained for MAEA using ab232987 at 20 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



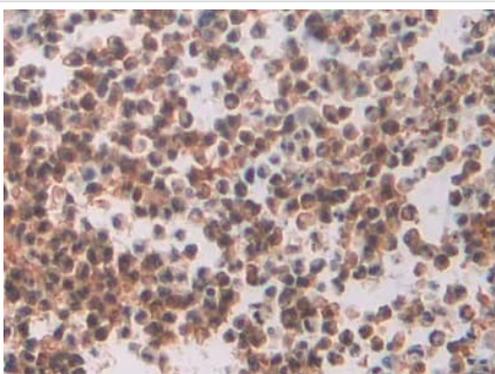
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human skin cancer tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.



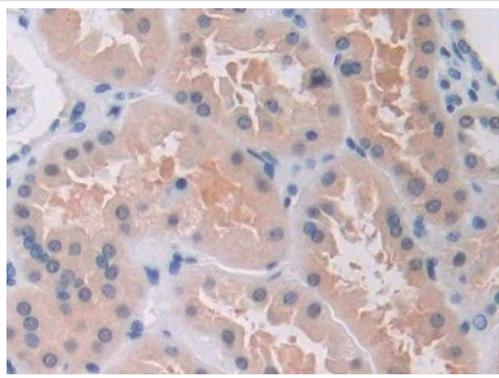
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human cerebrum tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.



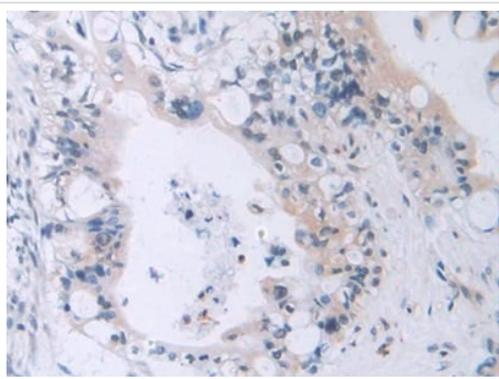
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human colorectal cancer tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.



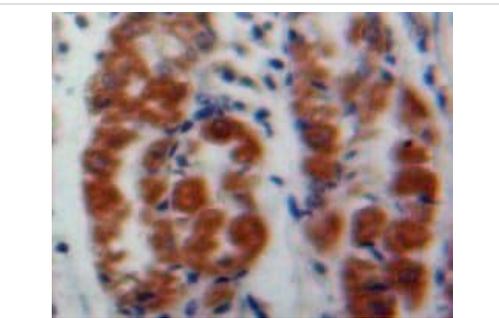
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human kidney tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Paraffin-embedded human bile duct cancer tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

Formalin-fixed, paraffin-embedded human stomach tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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