




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 100 to the C-terminus. (Expressed in E.coli). Database link: Q7L5Y9 <div>  Run BLAST with  Run BLAST with </div>
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	<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. 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: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
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

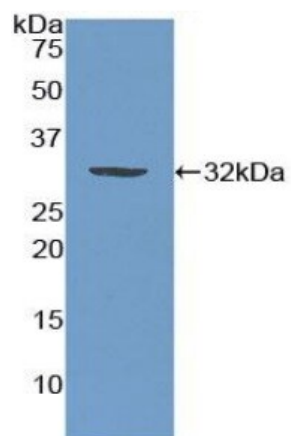
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232987 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.
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



Western blot - Anti-MAEA antibody (ab232987)

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

Predicted band size: 45 kDa



Western blot - Anti-MAEA antibody (ab232987)

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

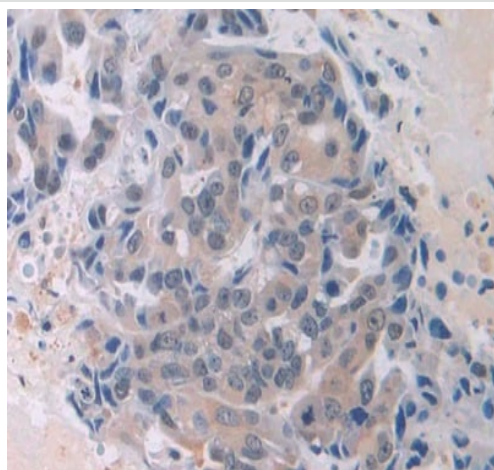
Predicted band size: 45 kDa



Western blot - Anti-MAEA antibody (ab232987)

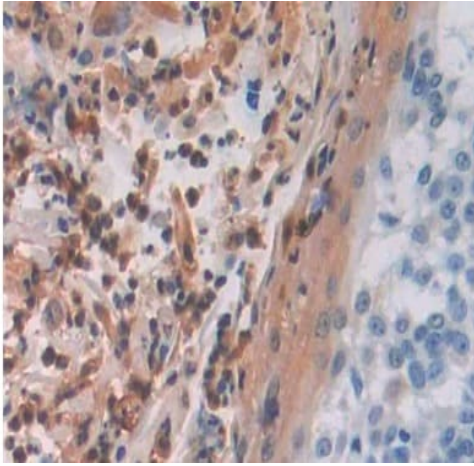
Anti-MAEA antibody (ab232987) at 2 µg/ml + Mouse pancreas lysate

Predicted band size: 45 kDa



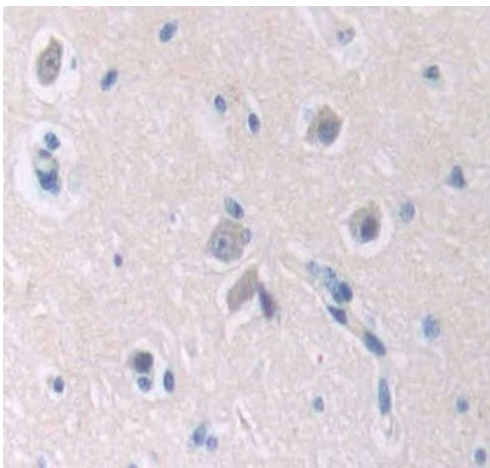
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAEA antibody (ab232987)

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



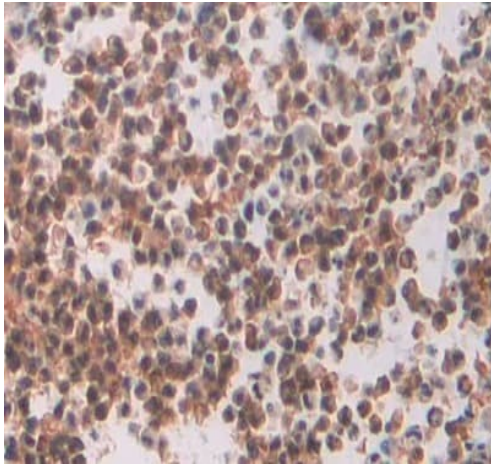
Paraffin-embedded human skin cancer tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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



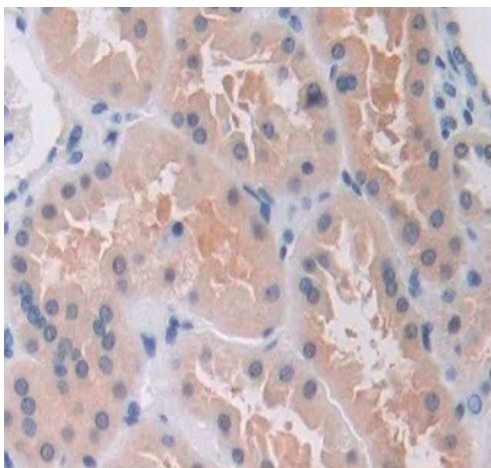
Paraffin-embedded human cerebrum tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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



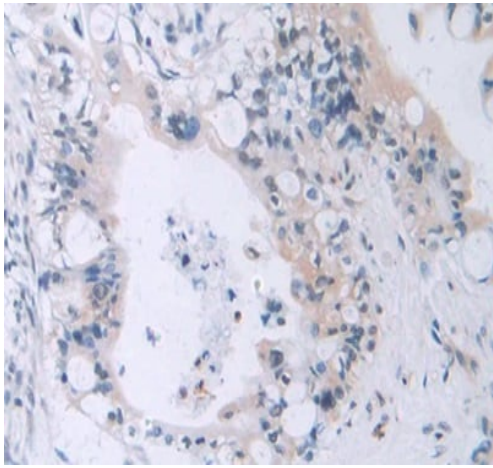
Paraffin-embedded human colorectal cancer tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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



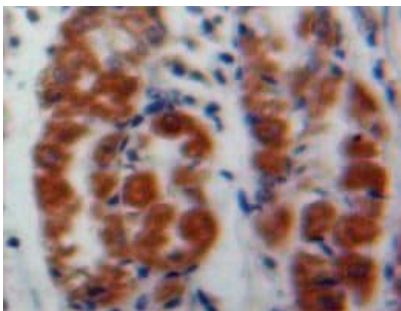
Paraffin-embedded human kidney tissue stained for MAEA using ab232987 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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.

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

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