


Product datasheet

Anti-REA antibody [EPR14522] ab181838

Recombinant **RabMAb**

[2 References](#) [5 Images](#)

Overview

Product name	Anti-REA antibody [EPR14522]
Description	Rabbit monoclonal [EPR14522] to REA
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa, 293T and Human fetal kidney lysates; HeLa and 293T cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR14522
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181838 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		1/1000 - 1/10000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).
ICC/IF		1/250.

Target

Function

Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases (By similarity). Functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. Competes with NCOA1 for modulation of ER transcriptional activity. Probably involved in regulating mitochondrial respiration activity and in aging.

Sequence similarities

Belongs to the prohibitin family.

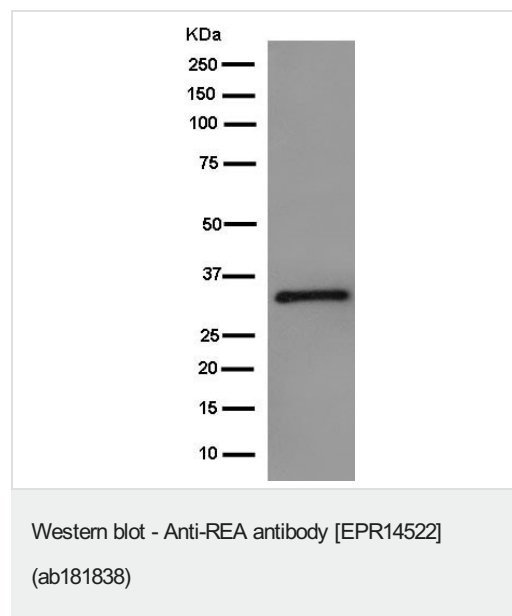
Developmental stage

Levels of expression in fibroblasts decrease heterogeneously during cellular aging.

Cellular localization

Mitochondrion inner membrane. Cytoplasm. Nucleus. Also cytoplasmic and nuclear.

Images



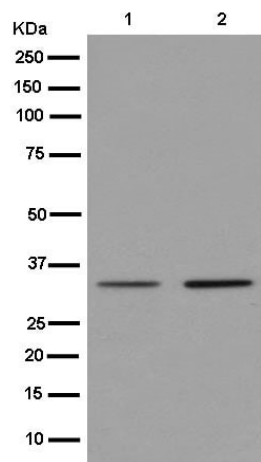
Anti-REA antibody [EPR14522] (ab181838) at 1/10000 dilution +
HeLa cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000
dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa



Western blot - Anti-REA antibody [EPR14522] (ab181838)

All lanes : Anti-REA antibody [EPR14522] (ab181838) at 1/10000 dilution

Lane 1 : Human fetal kidney tissue lysate

Lane 2 : 293T (Human embryonic kidney epithelial cell) cell lysate

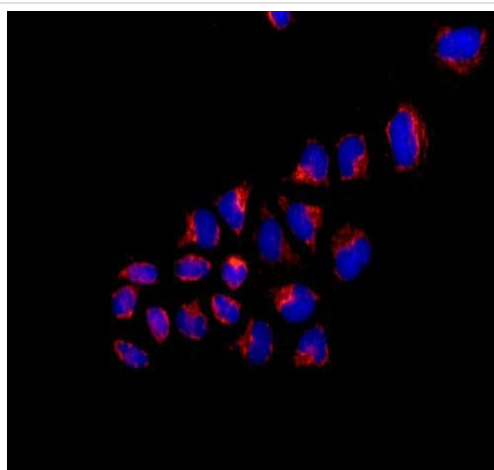
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

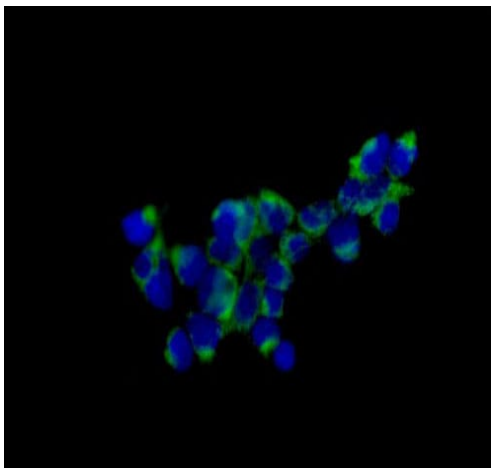
Predicted band size: 33 kDa

Observed band size: 33 kDa



Immunocytochemistry/ Immunofluorescence - Anti-REA antibody [EPR14522] (ab181838)

Immunofluorescent analysis of acetone-fixed HeLa cells labeling REA with ab181838 at 1/250 dilution, followed by Goat anti rabbit IgG (Alexa Fluor®555) secondary antibody at 1/200 dilution.



Immunofluorescent analysis of acetone-fixed 293T cells labeling REA with ab181838 at 1/250 dilution, followed by Goat anti rabbit IgG (Alexa Fluor®488) secondary antibody at 1/200 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-REA antibody [EPR14522] (ab181838)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-REA antibody [EPR14522] (ab181838)

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

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