

## Product datasheet

# Anti-AKR1B10 antibody [EPR9767(B)] ab139685

Recombinant RabMAb

[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-AKR1B10 antibody [EPR9767(B)]
<b>Description</b>	Rabbit monoclonal [EPR9767(B)] to AKR1B10
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human AKR1B10 aa 300-400 (C terminal). The exact sequence is proprietary.
<b>Positive control</b>	A549 cells; Human small intestine and A549 cell lysates.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant

**Clonality** Monoclonal  
**Clone number** EPR9767(B)  
**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab139685 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
ICC/IF		1/100 - 1/250.
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.

**Application notes** Is unsuitable for IHC-P or IP.

## Target

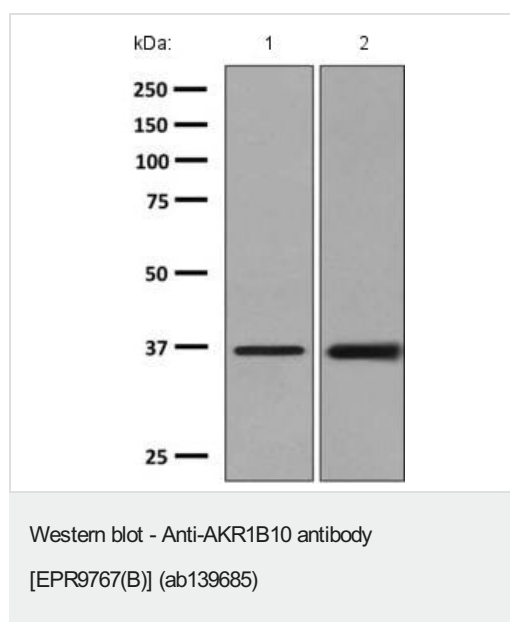
**Function** Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs.

**Tissue specificity** Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

**Sequence similarities** Belongs to the aldo/keto reductase family.

**Cellular localization** Lysosome. Secreted. Secreted through a lysosome-mediated non-classical pathway.

## Images



**All lanes** : Anti-AKR1B10 antibody [EPR9767(B)] (ab139685) at 1/1000 dilution

**Lane 1** : Human small intestine cell lysate

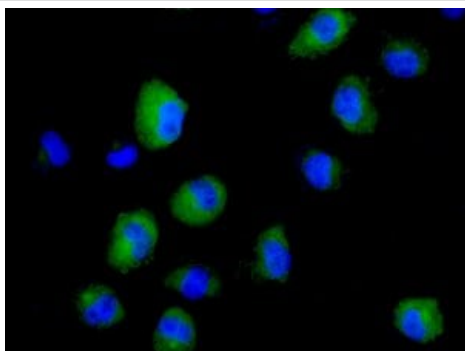
**Lane 2** : A549 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 36 kDa



Immunofluorescent analysis of A549 cells labeling AKR1B10 with ab139685 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-AKR1B10 antibody [EPR9767(B)] (ab139685)

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-AKR1B10 antibody [EPR9767(B)] (ab139685)

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

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- Response to your inquiry within 24 hours
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