


Product datasheet

Anti-RAI14 antibody [EPR8518] α b137118

Recombinant **RabMAb**

[2 References](#) [4 Images](#)

Overview

Product name	Anti-RAI14 antibody [EPR8518]
Description	Rabbit monoclonal [EPR8518] to RAI14
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human RAI14 aa 1-100 (N terminal). The exact sequence is proprietary.
Positive control	HeLa and 293T cell lysates, Human kidney and Human testis tissues.
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8518

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab137118 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 110 kDa (predicted molecular weight: 110 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or ICC/IF.

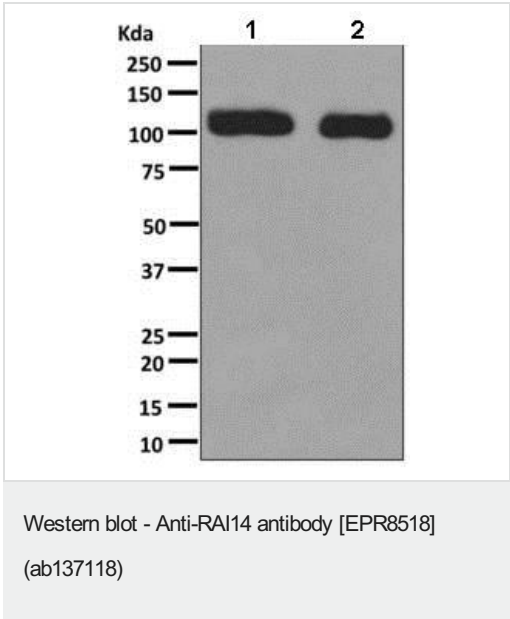
Target

Tissue specificity Highly expressed in placenta, muscle, kidney and testis. Moderately expressed in heart, brain, lung, liver and intestine. Isoform 2 is widely expressed and expressed in fetal and adult testes, and spermatozoa.

Sequence similarities Contains 7 ANK repeats.

Cellular localization Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. Associated with the cortical actin cytoskeleton structures in terminal web and cell-cell adhesion sites and stress fibers.

Images



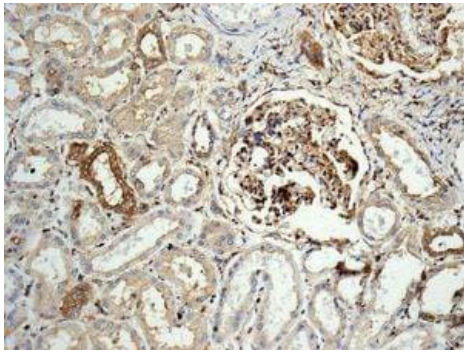
All lanes : Anti-RAI14 antibody [EPR8518] (ab137118) at 1/1000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lysates/proteins at 10 µg per lane.

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

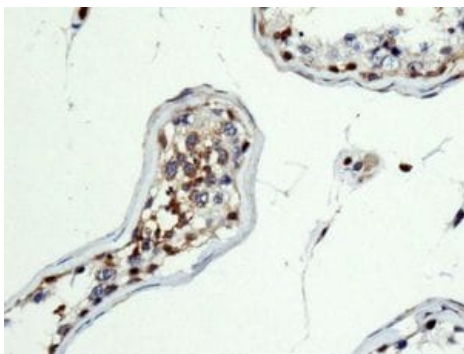
Predicted band size: 110 kDa
Observed band size: 110 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAI14 antibody [EPR8518] (ab137118)

Immunohistochemical analysis of paraffin embedded Human kidney tissue labelling RAI14 with ab137118 antibody at a dilution of 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAI14 antibody [EPR8518] (ab137118)

Immunohistochemical analysis of paraffin embedded Human testis tissue labelling RAI14 with ab137118 antibody at a dilution of 1/100.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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-RAI14 antibody [EPR8518] (ab137118)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors