


Anti-RBP2 antibody [EPR12334] ab180494

Recombinant RabMAb

5 Images

Overview

Product name	Anti-RBP2 antibody [EPR12334]
Description	Rabbit monoclonal [EPR12334] to RBP2
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Horse, Cat, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human small intestine and Caco2; Human small intestine tissue; SW480 cell line.
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	Protein A purified
Clonality	Monoclonal
Clone number	EPR12334
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180494 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.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Detects a band of approximately 16 kDa (predicted molecular weight: 16 kDa).

Target

Function

Intracellular transport of retinol.

Tissue specificity

Higher expression in adult small intestine and to a much lesser extent in fetal kidney.

Sequence similarities

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

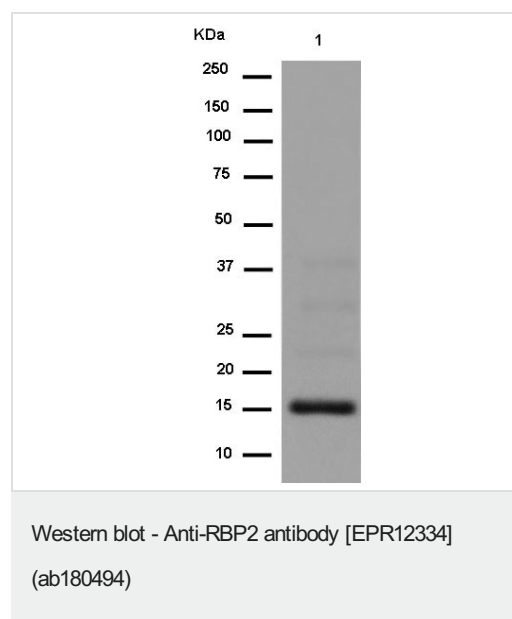
Domain

Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.

Cellular localization

Cytoplasm.

Images



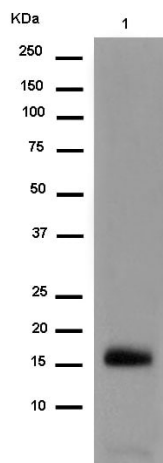
Anti-RBP2 antibody [EPR12334] (ab180494) at 1/5000 dilution +
Human small intestine tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab136636](#)) at 1/500 dilution

Predicted band size: 16 kDa

Blocking buffer and concentration: 5% NFDM/TBST



Western blot - Anti-RBP2 antibody [EPR12334]
(ab180494)

Anti-RBP2 antibody [EPR12334] (ab180494) at 1/5000 dilution +
Caco-2 cell lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab136636](#)) at 1/1000 dilution

Predicted band size: 16 kDa

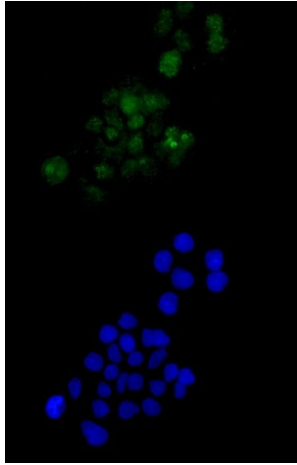
Blocking buffer and concentration: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-RBP2 antibody
[EPR12334] (ab180494)

Immunohistochemical analysis of paraffin-embedded Human small
intestine tissue labeling RBP2 with ab180494 at a 1/500 dilution.
Prediluted HRP Polymer for Rabbit IgG was used as a secondary
antibody. Counter stain: Hematoxylin

Perform heat mediated antigen retrieval with EDTA buffer pH 9
before commencing with IHC staining protocol.



Immunofluorescent analysis of 4% paraformaldehyde fixed SW480 cell line staining RBP2 using ab180494 at a 1/100 dilution. Goat anti rabbit IgG (Dylight 488) was used as a secondary antibody, at a dilution of 1/250. Counter stain: Dapi.

Immunocytochemistry/ Immunofluorescence - Anti-RBP2 antibody [EPR12334] (ab180494)

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-RBP2 antibody [EPR12334] (ab180494)

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