


Product datasheet

Anti-RNF7 antibody [EPR12001] - BSA and Azide free ab250553

Recombinant RabMAb

6 Images

Overview

Product name	Anti-RNF7 antibody [EPR12001] - BSA and Azide free
Description	Rabbit monoclonal [EPR12001] to RNF7 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250553 is the carrier-free version of ab181986.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12001
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250553 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		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 13 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. For antigen retrieval, heat up to 98 degree C, below boiling, and then let cool for 10-20 minutes.

Target

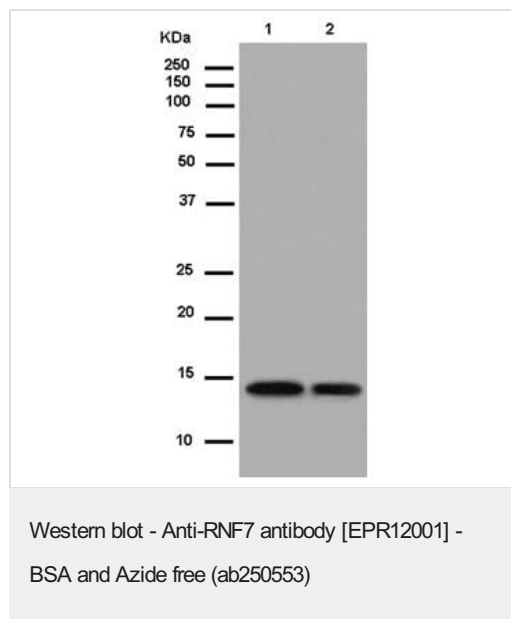
Function	Probable component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme to the complex and brings it into close proximity to the substrate. Promotes the neddylation of CUL5 via its interaction with UBE2F. May play a role in protecting cells from apoptosis induced by redox agents.
Tissue specificity	Expressed in heart, liver, skeletal muscle and pancreas. At very low levels expressed in brain, placenta and lung.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Belongs to the RING-box family. Contains 1 RING-type zinc finger.
Domain	The RING-type zinc finger domain is essential for ubiquitin ligase activity. It coordinates an additional third zinc ion.
Post-translational	Phosphorylation by CK2 is required for efficient degradation of NFKBIA and CDKN1B.

modifications

Cellular localization

Cytoplasm. Nucleus.

Images



All lanes : Anti-RNF7 antibody [EPR12001] ([ab181986](#)) at 1/5000 dilution

Lane 1 : Mouse heart tissue lysate

Lane 2 : Mouse kidney tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

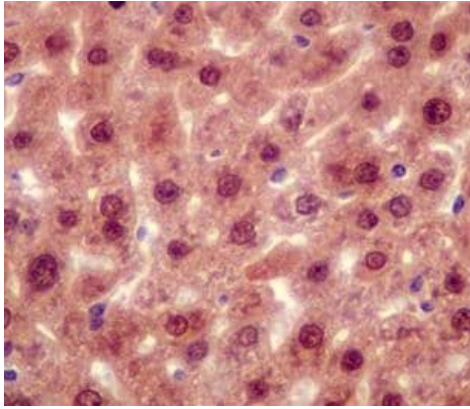
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 13 kDa

This data was developed using [ab181986](#), the same antibody clone in a different buffer formulation.

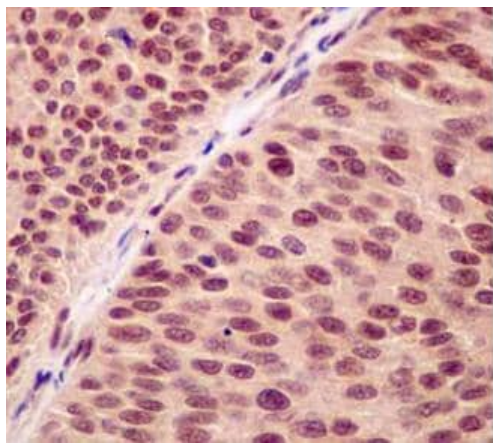


This data was developed using [ab181986](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of HepG2 cells (fixative 4% paraformaldehyde) labeling RNF7 with [ab181986](#) at a 1/100 dilution. Goat anti rabbit IgG (Dylight 555) secondary used at a 1/200 dilution.



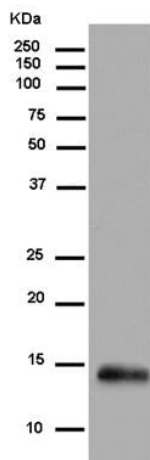
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RNF7 antibody [EPR12001] - BSA and Azide free (ab250553)

This data was developed using **ab181986**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Mouse liver tissue labeling RNF7 with **ab181986** at a 1/50 dilution. Prediluted HRP Polymer for Rabbit IgG secondary used. Counterstained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RNF7 antibody [EPR12001] - BSA and Azide free (ab250553)

This data was developed using **ab181986**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human transitional cell carcinoma of bladder tissue labeling RNF7 with **ab181986** at a 1/50 dilution. Prediluted HRP Polymer for Rabbit IgG secondary used. Counterstained with Hematoxylin. Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-RNF7 antibody [EPR12001] - BSA and Azide free (ab250553)

Anti-RNF7 antibody [EPR12001] (**ab181986**) at 1/5000 dilution + HepG2 lysate at 10 µg

Secondary

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

Predicted band size: 13 kDa

This data was developed using **ab181986**, the same antibody clone in a different buffer formulation.

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-RNF7 antibody [EPR12001] - BSA and Azide free (ab250553)

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

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