

Product datasheet

Anti-RON antibody [EP1132Y] - BSA and Azide free ab170717

Recombinant RabMAb

5 Images

Overview

Product name	Anti-RON antibody [EP1132Y] - BSA and Azide free
Description	Rabbit monoclonal [EP1132Y] to RON - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, Flow Cyt, WB, ELISA, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human RON aa 1-100 (N terminal). The exact sequence is proprietary.
General notes	ab170717 is the carrier-free version of ab52927 This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

Ab170717 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

The major RON transcript is translated into a glycosylated single chain precursor, cleaved into a 185 kDa heterodimer (p185Ron) of 35 (alpha) and 150 kDa (beta) disulfide-linked chains, before exposure at the cell surface. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1132Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab170717** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

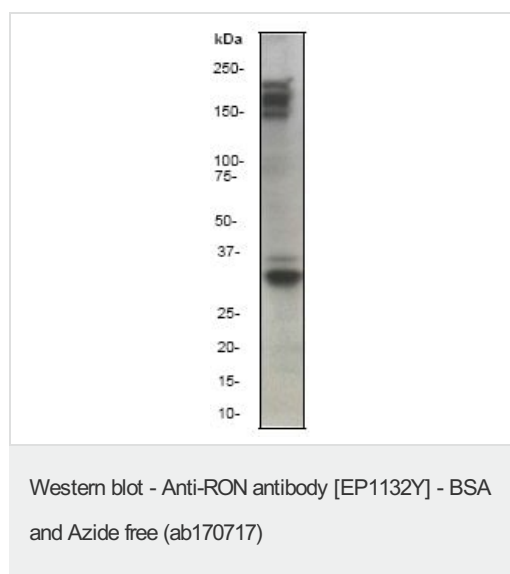
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. Methanol fixed cells.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 35150180 kDa (predicted molecular weight: 185 kDa).
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

Target

Function	Receptor for macrophage stimulating protein (MSP). Has a tyrosine-protein kinase activity.
Tissue specificity	Keratinocytes and lung.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. Contains 3 IPT/TIG domains. Contains 1 protein kinase domain. Contains 1 Sema domain.
Post-translational modifications	Proteolytic processing yields the two subunits. Phosphorylated in response to ligand binding.
Cellular localization	Membrane.

Images



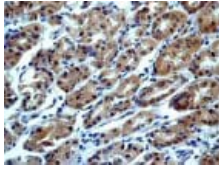
Anti-RON antibody [EP1132Y] ([ab52927](#)) at 1/10000 dilution + SKBR3 cell lysate at 10 µg

Secondary

HRP-labelled goat anti-rabbit

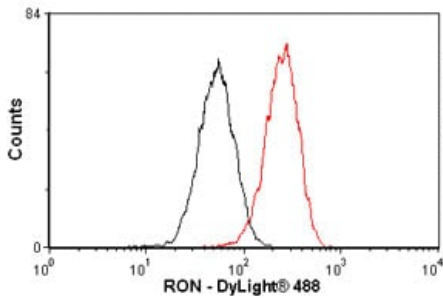
Predicted band size: 185 kDa

This data was developed using [ab52927](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RON antibody [EP1132Y] - BSA and Azide free (ab170717)

This data was developed using [ab52927](#), the same antibody clone in a different buffer formulation. Immunohistochemical staining of paraffin-embedded human stomach tissue using [ab52927](#) at a dilution of 1/100-1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

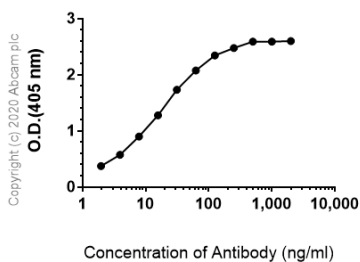


Flow Cytometry - Anti-RON antibody [EP1132Y] - BSA and Azide free (ab170717)

This data was developed using [ab52927](#), the same antibody clone in a different buffer formulation. Overlay histogram showing THP1 cells stained with [ab52927](#) (red line). The cells were fixed with methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody ([ab52927](#), 1/20 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-rabbit IgG (H+L) ([ab96899](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit monoclonal IgG (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a decreased signal in THP1 cells fixed with 4% paraformaldehyde (10 min) used under the same conditions.

Please note that Abcam do not have any data for use of this antibody in non-fixed cells. We welcome any customer feedback.

Indirect ELISA antibody dose-response curve antigen at 1000 ng/ml



ELISA - Anti-RON antibody [EP1132Y] - BSA and Azide free (ab170717)

This data was developed using [ab52927](#), the same antibody clone in a different buffer formulation.

ELISA analysis of Human RON recombinant protein at 1000 ng/mL with [ab52927](#). An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.

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-RON antibody [EP1132Y] - BSA and Azide free
(ab170717)

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

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