

Anti-RRAD antibody [EPR12856] - BSA and Azide free ab205977

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-RRAD antibody [EPR12856] - BSA and Azide free
Description	Rabbit monoclonal [EPR12856] to RRAD - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab205977 is the carrier-free version of ab177151.</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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with</p>

these species. Please contact us for more information.

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	EPR12856
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab205977 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

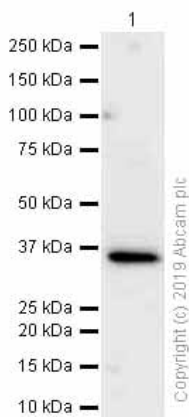
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 33 kDa.

Application notes Is unsuitable for IP.

Target

Function	May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.
Tissue specificity	Most abundantly expressed in the heart. Also found in the skeletal muscle and lung. Lesser amounts in placenta and kidney. Also detected in adipose tissue. Overexpressed in muscle of type II diabetic humans.
Sequence similarities	Belongs to the small GTPase superfamily. RGK family.
Cellular localization	Cell membrane.

Images



Western blot - Anti-RRAD antibody [EPR12856] -
BSA and Azide free (ab205977)

Anti-RRAD antibody [EPR12856] ([ab177151](#)) at 1/5000 dilution
(Purified) + Human fetal lung tissue lysate at 15 µg

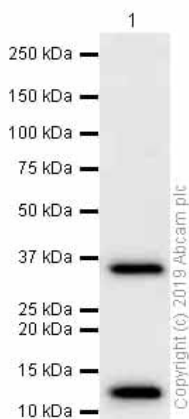
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with
human IgG at 1/2000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

This data was developed using [ab177151](#), the same antibody
clone in a different buffer formulation.



Western blot - Anti-RRAD antibody [EPR12856] -
BSA and Azide free (ab205977)

Anti-RRAD antibody [EPR12856] ([ab177151](#)) at 1/5000 dilution
(Purified) + A-673 (Human muscle Ewing's Sarcoma) whole cell
lysate at 15 µg

Secondary

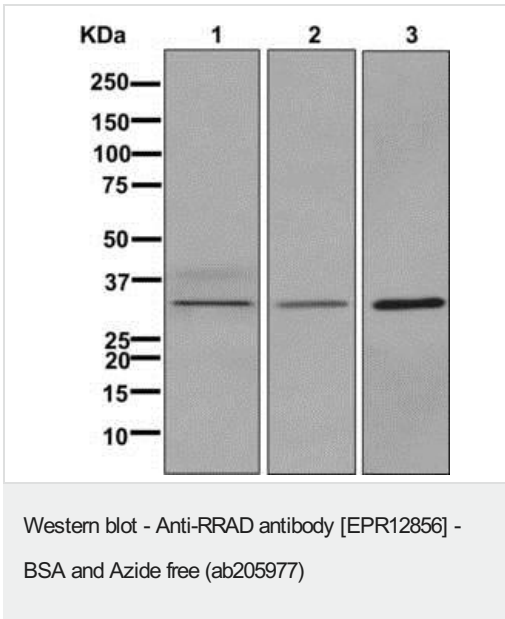
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/2000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

This data was developed using [ab177151](#), the same antibody
clone in a different buffer formulation.

We are unsure how to define the extra bands.



All lanes : Anti-RRAD antibody [EPR12856] ([ab177151](#)) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal heart lysate

Lane 2 : Human fetal lung lysate

Lane 3 : A673 lysate

Lysates/proteins at 10 µg per lane.





Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 33 kDa

This data was developed using [ab177151](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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