

Product datasheet

Anti-R2D2 antibody ab27650

1 Image

Overview

Product name	Anti-R2D2 antibody
Description	Rabbit polyclonal to R2D2
Host species	Rabbit
Specificity	The antibody specifically recognises the immunising peptide in a blocking western blot. All four observed bands are blocked, showing that they are specific. There is also low background and high titre in ELISA. Please let us know if you can explain these bands.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Drosophila melanogaster
Immunogen	Synthetic peptide corresponding to Drosophila melanogaster R2D2 aa 100-200 (intracellular) conjugated to keyhole limpet haemocyanin. (Peptide available as ab17670)
Positive control	This antibody gave a positive signal in Drosophila lysate.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab27650** 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 a concentration of 1 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 35 kDa).

Target

Relevance	The RNA interference (RNAi) pathway is initiated by processing long double-stranded RNA into small interfering RNA (siRNA). The siRNA-generating enzyme consists of DCR-2 and R2D2. R2D2 is homologous to the Caenorhabditis elegans RNAi protein RDE-4.
Cellular localization	Nuclear

Images



All lanes : Anti-R2D2 antibody (ab27650) at 1 µg/ml

Lane 1 : Drosophila lysate

Lane 2 : Drosophila lysate with Human R2D2 peptide (ab17670) at 1 µg/ml

Lysates/proteins at 20 µg per lane.

Predicted band size: 35 kDa

Observed band size: 37 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 39 kDa (possible cross reactivity), 55 kDa (possible cross reactivity), 85 kDa (possible cross reactivity)

ab27650 specifically recognises a band at 37kDa corresponding to R2D2, which is blocked using the immunising peptide (ab17670).

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

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