


Product datasheet

Anti-Hyaluronan synthase 2 antibody ab131364

3 References 1 Image

Overview

Product name	Anti-Hyaluronan synthase 2 antibody
Description	Rabbit polyclonal to Hyaluronan synthase 2
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog, Pig, Chimpanzee, Macaque monkey, Chinese hamster, Orangutan 
Immunogen	This product was produced with the following immunogens: corresponding to Hyaluronan synthase 2. (Peptide available as ab167145) Synthetic peptide aa 450-550. Database link: Q92819 (Peptide available as ab167145)
Positive control	This antibody gave a positive signal in Human Heart tissue lysate.
General notes	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 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 **ab131364** in the following tested applications.

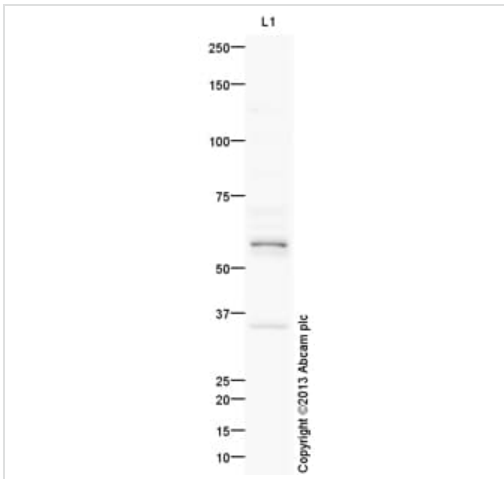
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 63 kDa). Abcam recommends using milk as the blocking agent (3%).

Target

Function	Plays a role in hyaluronan/hyaluronic acid (HA) synthesis.
Tissue specificity	Expressed in fibroblasts.
Pathway	Glycan biosynthesis; hyaluronan biosynthesis.
Involvement in disease	Note=A chromosomal aberration involving HAS2 may be a cause of lipoblastomas, which are benign tumors resulting from transformation of adipocytes, usually diagnosed in children. 8q12.1 to 8q24.1 intrachromosomal rearrangement with PLAG1.
Sequence similarities	Belongs to the nodC/HAS family.
Cellular localization	Membrane.

Images



Western blot - Anti-Hyaluronan synthase 2 antibody (ab131364)

Anti-Hyaluronan synthase 2 antibody (ab131364) at 1 µg/ml (3% milk blocking) + Human heart tissue lysate - total protein (ab29431) at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 63 kDa

Observed band size: 60 kDa

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

Additional bands at: 135 kDa, 35 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

Abcam recommends using milk as the blocking agent - 3%. This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% Milk before being incubated with ab131364 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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

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