


Product datasheet

Anti-AGS3 antibody ab89726

★★★★☆ [2 Abreviews](#) [3 References](#) [3 Images](#)

Overview

Product name	Anti-AGS3 antibody
Description	Rabbit polyclonal to AGS3
Host species	Rabbit
Specificity	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Cow 
Immunogen	Synthetic peptide corresponding to Human AGS3 aa 100 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab90250)
Positive control	This antibody gave a positive signal in the following whole cell lysates: HEK293; HepG2. IHC-P: human colon adenocarcinoma FFPE tissue sections
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, 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

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab89726 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

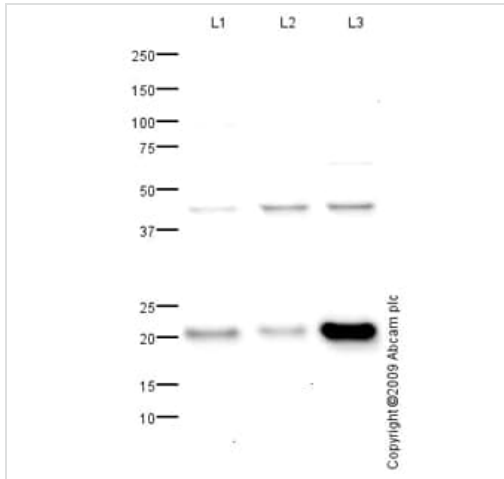
Application	Abreviews	Notes
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 20 kDa (predicted molecular weight: 18 kDa).

Target

Relevance The RNase H2 complex is a heterotrimer composed of the catalytic subunit RNASEH2A and the non-catalytic subunits RNASEH2B and RNASEH2C (Ribonuclease H2 subunit C). Ribonuclease H2 subunit C is the non catalytic subunit of RNase H2, an endonuclease that specifically degrades the RNA of RNA:DNA hybrids. It participates in DNA replication, possibly by mediating the removal of lagging-strand Okazaki fragment RNA primers during DNA replication. Ribonuclease H2 subunit C also mediates the excision of single ribonucleotides from DNA:RNA duplexes.

Cellular localization Nuclear

Images



Western blot - Anti-AGS3 antibody (ab89726)

All lanes : Anti-AGS3 antibody (ab89726) at 1 µg/ml

Lane 1 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 2 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 3 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

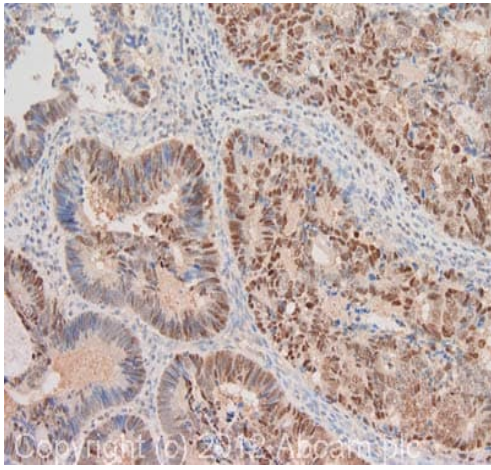
Predicted band size: 18 kDa

Observed band size: 20 kDa

Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 12 minutes

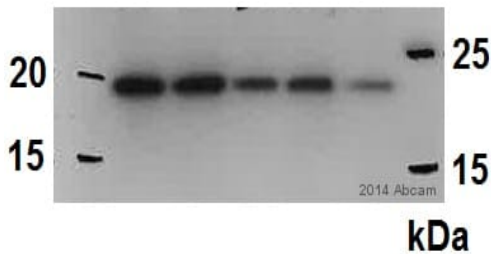
AGS3 contains a potential phosphorylation site (SwissProt) which may explain its migration at a higher molecular weight (20 kDa) than predicted (18 kDa).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGS3 antibody (ab89726)

IHC image of AGS3 staining in human colon adenocarcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab89726, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - Anti-AGS3 antibody (ab89726)

This image is courtesy of an Abreview submitted by Sarah Deasy

All lanes : Anti-AGS3 antibody (ab89726) at 1 µg/ml

All lanes : Mouse Pei1 whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 18 kDa

Exposure time: 1 second

Knockdown of Rnaseh2c using shRNA along with scramble control.

Lane 1: scramble shRNA

Lane 2: shRNA #1

Lane 3: shRNA #2

Lane 4: shRNA #3

Lane 5: shRNA #4

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors