

## Product datasheet

### Anti-GAS41 antibody ab205018

★★★★★ [1 Abreviews](#) [1 References](#) [2 Images](#)

#### Overview

Product name	Anti-GAS41 antibody
Description	Rabbit polyclonal to GAS41
Host species	Rabbit
Tested applications	<b>Suitable for:</b> IP, WB
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Chimpanzee, Cynomolgus monkey, Rhesus monkey, Gorilla, Orangutan



Immunogen	Synthetic peptide within Human GAS41 aa 150 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <a href="#">contact</a> our Scientific Support team to discuss your requirements. (NP_006521.1). Database link: <a href="#">O95619</a>
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[Run BLAST with](#)



[Run BLAST with](#)

Positive control	Hela, Jurkat and 293T whole cell lysates.
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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&amp;As</p>
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#### 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 long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 99% Tris citrate/phosphate</p> <p>pH 7 to 8</p>

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

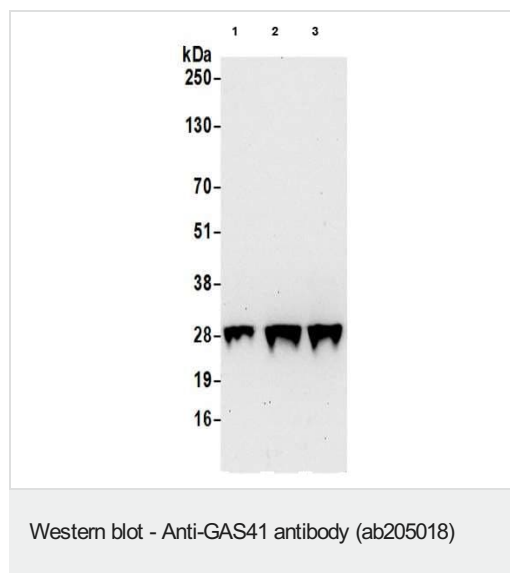
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab205018 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.
WB	★★★★★ (1)	1/2000 - 1/10000. Predicted molecular weight: 26 kDa.

## Target

<b>Function</b>	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.
<b>Tissue specificity</b>	Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.
<b>Sequence similarities</b>	Contains 1 YEATS domain.
<b>Cellular localization</b>	Nucleus.

## Images



**All lanes** : Anti-GAS41 antibody (ab205018) at 0.1 µg/ml

**Lane 1** : Hela whole cell lysate

**Lane 2** : 293T whole cell lysate

**Lane 3** : Jurkat whole cell lysate

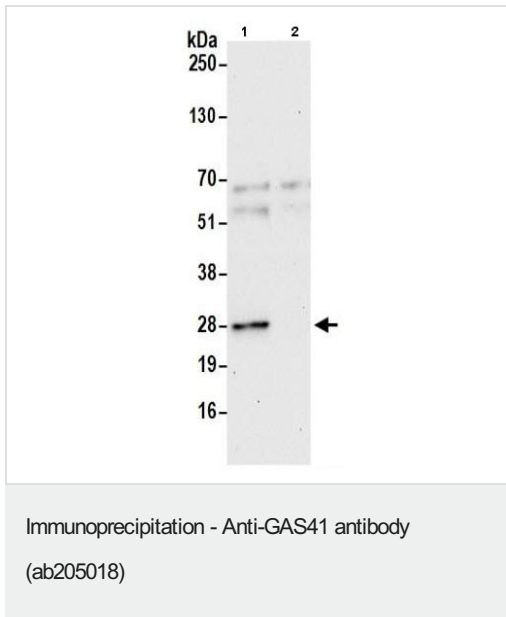
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 26 kDa

**Exposure time:** 30 seconds

Lysates prepared using NETN lysis buffer.



Detection of GAS41 in Immunoprecipitates of 293T whole cell lysates prepared using NETN lysis buffer (1 mg for IP, 20% of IP loaded) using ab205018 at 6 µg/mg lysate for IP (Lane 1) and at 1 µg/ml for subsequent Western blot detection. Lane 2 represents control IgG IP. Detection: Chemiluminescence with an exposure time of 30 seconds.

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

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