



## Product datasheet

# Anti-WDR12 antibody [1B8] - BSA and Azide free ab255883

Recombinant

[1 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-WDR12 antibody [1B8] - BSA and Azide free
<b>Description</b>	Rat monoclonal [1B8] to WDR12 - BSA and Azide free
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment within Human WDR12. 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 <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements.</p> <p>Database link: <a href="#">Q9GZL7</a></p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	WB: HeLa, HEK-293, Jurkat and HepG2 whole cell lysate. ICC/IF: HEK-293 and HeLa cell.
<b>General notes</b>	<p>ab255883 is the carrier-free version of <a href="#">ab252878</a>.</p> <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>Our <b>carrier-free</b> 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 <b><a href="#">conjugation kits</a></b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;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<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> 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"> <li>- High batch-to-batch consistency and reproducibility</li> </ul>

- Improved sensitivity and specificity
  - Long-term security of supply
  - Animal-free production
- For more information [see here](#).

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	1B8
<b>Isotype</b>	IgG1
<b>Light chain type</b>	lambda

## Applications

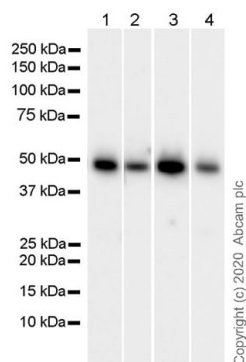
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab255883 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>		Use a concentration of 1.235 µg/ml. Predicted molecular weight: 48 kDa.
<b>ICC/IF</b>		Use a concentration of 12.35 µg/ml.

## Target

<b>Function</b>	Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome.
<b>Sequence similarities</b>	Belongs to the WD repeat WDR12/YTM1 family. Contains 7 WD repeats.
<b>Cellular localization</b>	Nucleus > nucleolus. Nucleus > nucleoplasm.

## Images



Western blot - Anti-WDR12 antibody [1B8] - BSA and Azide free (ab255883)

**All lanes :** Anti-WDR12 antibody [1B8] ([ab252878](#)) at 1.235 µg/ml

**Lane 1 :** HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

**Lane 2 :** HEK-293 (human embryonic kidney epithelial cell), whole cell lysate

**Lane 3 :** Jurkat (human T cell leukemia T lymphocyte), whole cell lysate

**Lane 4 :** HepG2 (human hepatocellular carcinoma epithelial cell), whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rat IgG H&L (HRP) ([ab205720](#)) at 1/5000 dilution

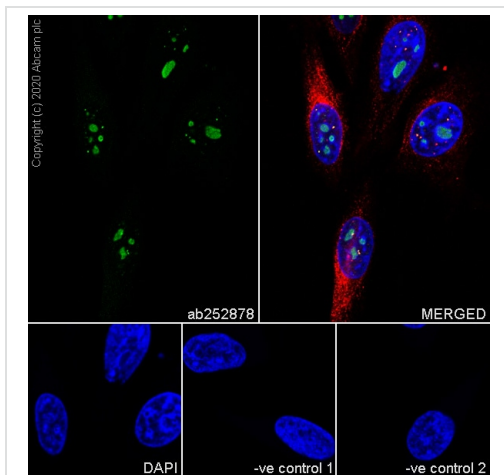
**Predicted band size:** 48 kDa

**Observed band size:** 47 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: Lanes 1/3: 3 seconds; Lane 2 : 15 seconds; Lane 4: 1 second.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab252878](#)).



Immunocytochemistry/ Immunofluorescence - Anti-WDR12 antibody [1B8] - BSA and Azide free (ab255883)

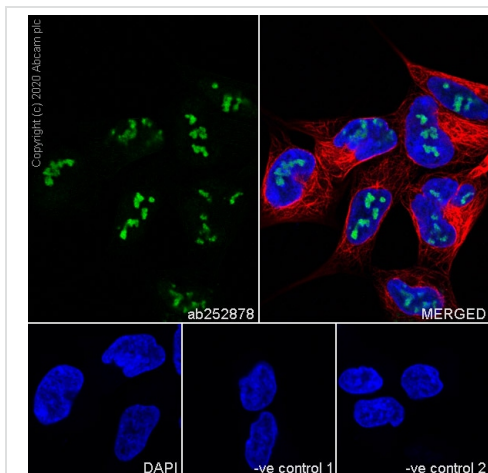
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa cells labelling WDR12 with **ab252878** at 12.35 µg/mL, followed by **ab150157** Goat Anti-rat IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green).

Confocal image showing nucleolar staining in HeLa cell line.

**ab179513** Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/500 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150157** Goat Anti-rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab252878**).



Immunocytochemistry/ Immunofluorescence - Anti-WDR12 antibody [1B8] - BSA and Azide free (ab255883)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HEK-293 cells labelling WDR12 with **ab252878** at 12.35 µg/mL, followed by **ab150157** Goat Anti-rat IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green).

Confocal image showing nucleolar staining in HEK-293 cell line.

**ab179513** Anti-beta Tubulin rabbit monoclonal antibody was used to counterstain tubulin at 1/500 dilution (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150157** Goat Anti-rat IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab252878**).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-WDR12 antibody [1B8] - BSA and Azide free  
(ab255883)

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

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