

## Product datasheet

# Anti-CTAG1B antibody [SP349] ab223498

Recombinant RabMAb

[7 Images](#)

### Overview

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<b>Product name</b>	Anti-CTAG1B antibody [SP349]
<b>Description</b>	Rabbit monoclonal [SP349] to CTAG1B
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human CTAG1B. Database link: <a href="#">P78358</a>
<b>Positive control</b>	IHC-P: Human testis, and Human gastric carcinoma tissue; WB: NY-ESO-1 or LAGE-2 transfected HEK-293 cell lysates.
<b>General notes</b>	<p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p> <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>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Clonality</b>	Monoclonal

Clone number SP349  
Isotype IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab223498 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		1/100.
IHC-P		1/100.
Flow Cyt		1/100.

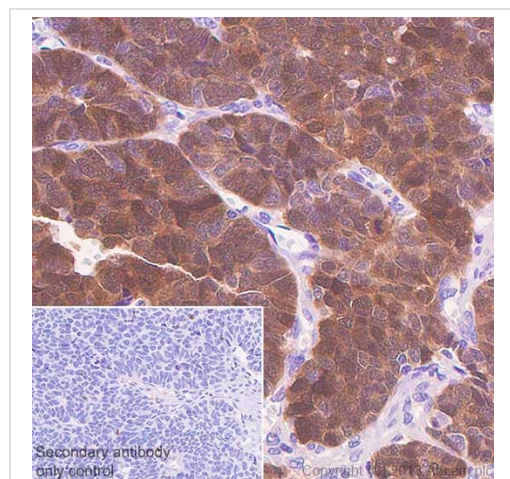
## Target

**Tissue specificity** Expressed in testis and ovary and in a wide variety of cancers. Detected in uterine myometrium. Expressed from 18 weeks until birth in human fetal testis. In the adult testis, is strongly expressed in spermatogonia and in primary spermatocytes, but not in post-meiotic cells or in testicular somatic cells (at protein level).

**Sequence similarities** Belongs to the CTAG family.

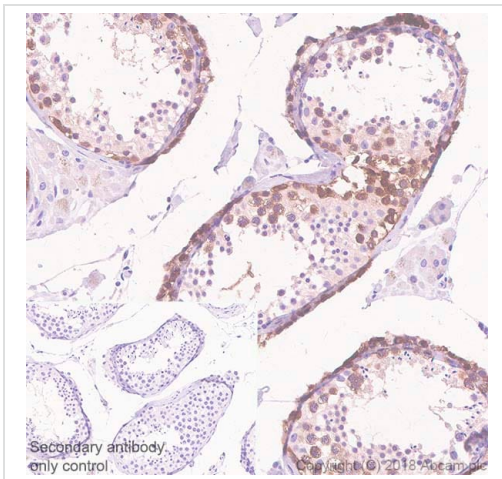
**Cellular localization** Cytoplasm.

## Images



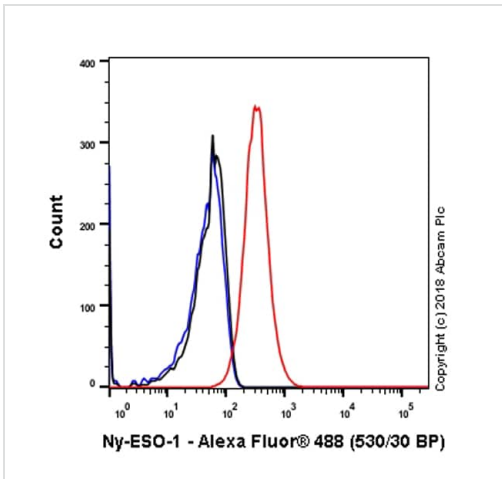
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human gastric carcinoma tissue sections labeling CTAG1B with Purified ab223498 at 1/100 dilution (3.83 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)



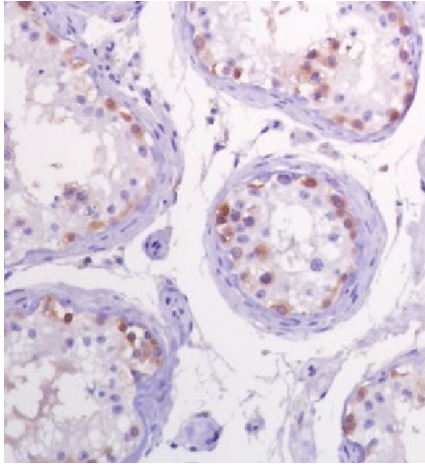
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human testis tissue sections labeling CTAG1B with Purified ab223498 at 1/100 dilution (3.83 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)



Flow Cytometry analysis of NCI-H1299 (human lung carcinoma epithelial cell) cells labeling CTAG1B with purified ab223498 at 1:380 dilution (1.01 µg/ml) - Red. Cells were fixed with 4% paraformaldehyde . A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150081**) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (**ab172730**) - Black. Unlabeled control - Blue.

Flow Cytometry - Anti-CTAG1B antibody [SP349] (ab223498)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)

Formalin-fixed, paraffin-embedded human testis tissue stained for CTAG1B using ab223498 at 1/100 dilution in immunohistochemical analysis.

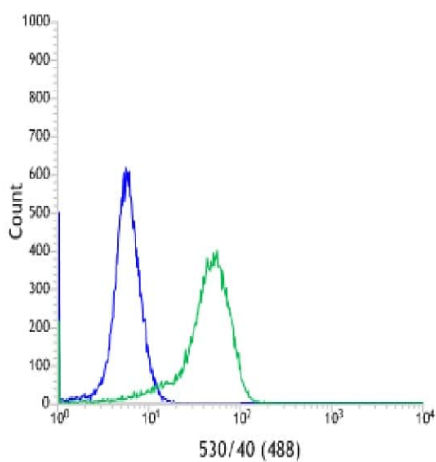


Western blot - Anti-CTAG1B antibody [SP349] (ab223498)

**All lanes** : Anti-CTAG1B antibody [SP349] (ab223498) at 1/100 dilution

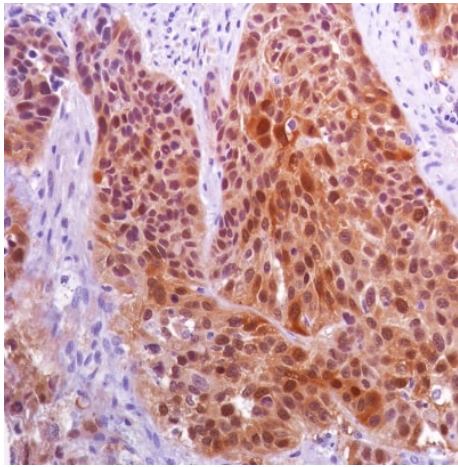
**Lane 1** : HEK-293 (human epithelial cell line from embryonic kidney) transfected with LAGE-1 cell lysate.

**Lane 2** : HEK-293 (human epithelial cell line from embryonic kidney) CTAG1B isoform1a transfected cell lysate.



Flow Cytometry - Anti-CTAG1B antibody [SP349] (ab223498)

Flow cytometric analysis of ab223498 staining HeLa (human epithelial cell line from cervix adenocarcinoma) cells for CTAG1B (green) at 1/100 dilution compared to negative control of rabbit IgG (blue).



Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for CTAG1B with ab223498 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)

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

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