

Product datasheet

Anti-CTAG1B antibody [SP349] ab223498

RabMAb

[7 Images](#)

Overview

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

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	SP349
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab223498** in the following tested applications.

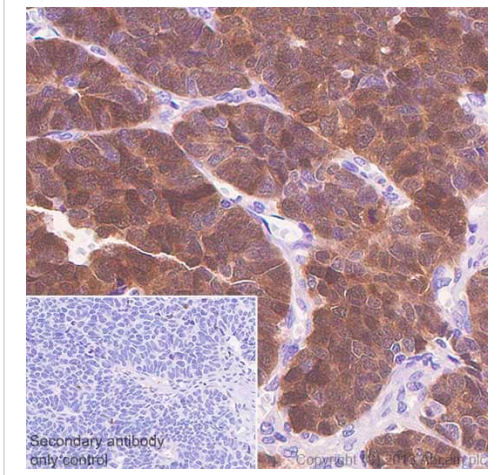
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100.
IHC-P		1/100.
Flow Cyt		1/100.

Target

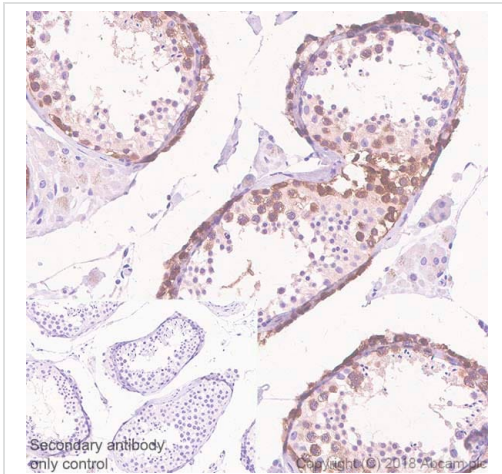
Tissue specificity	Expressed in testis and ovary and in a wide variety of cancers. Detected in uterine myometrium. Expressed from 18 weeks until birth in human fetal testis. In the adult testis, is strongly expressed in spermatogonia and in primary spermatocytes, but not in post-meiotic cells or in testicular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

Images



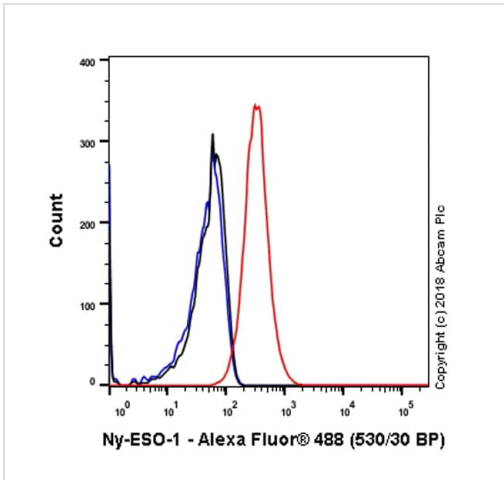
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)

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 $\mu\text{g/ml}$). 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.



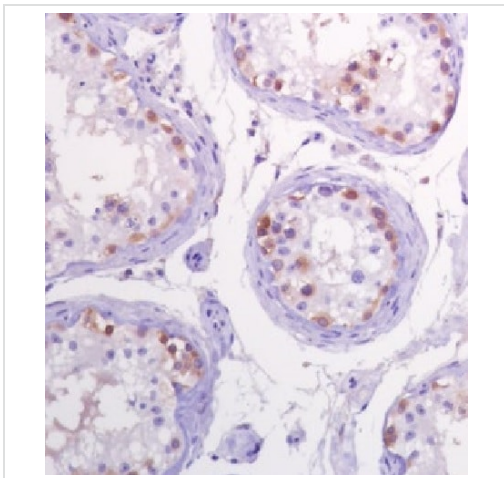
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CTAG1B antibody [SP349] (ab223498)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human testis tissue sections labeling CTAG1B with Purified ab223498 at 1/100 dilution (3.83 $\mu\text{g/ml}$). 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.



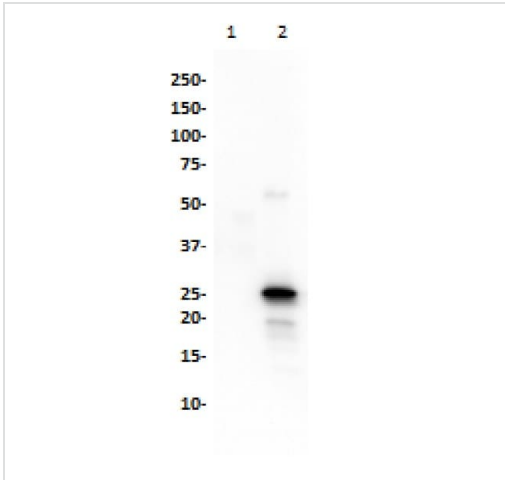
Flow Cytometry - Anti-CTAG1B antibody [SP349] (ab223498)

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.



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.

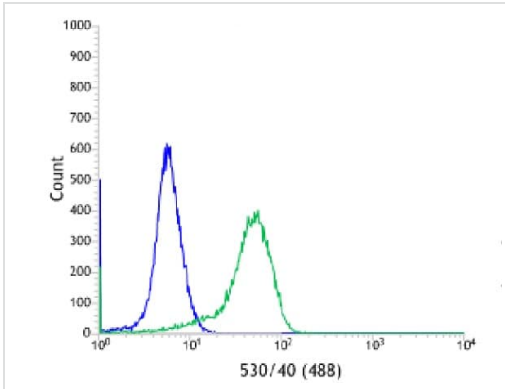


Western blot - Anti-CTAG1B antibody [SP349] (ab223498)

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

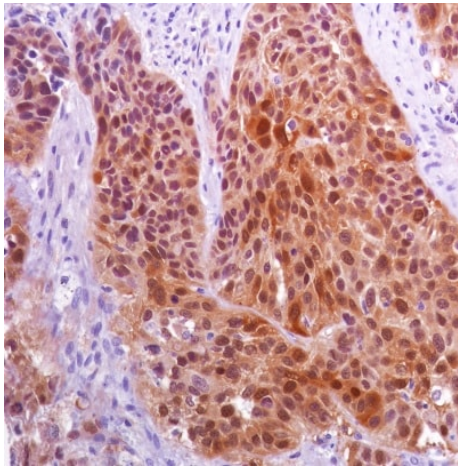
Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) transfected with LAGE-1 cell lysate.

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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