

## Product datasheet

# Anti-Nac1 antibody [PCRP-NACC1-1A8] - BSA and Azide free ab277111

[2 Images](#)

### Overview

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<b>Product name</b>	Anti-Nac1 antibody [PCRP-NACC1-1A8] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [PCRP-NACC1-1A8] to Nac1 - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Protein Array, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human Nac1 aa 1-527. Database link: <a href="#">Q96RE7</a>
<b>Positive control</b>	Flow cyt: HeLa cells.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; 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.</p> <p>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&amp;As.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from bioreactor concentrate
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	PCRP-NACC1-1A8
<b>Isotype</b>	IgG2a

## Applications

Our [Abpromise guarantee](#) covers the use of **ab277111** in the following tested applications.

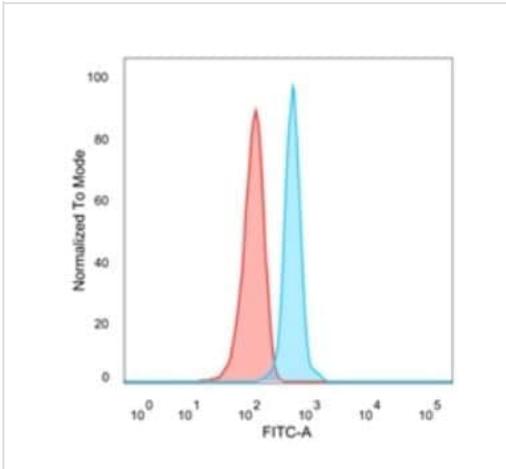
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Protein Array		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.

## Target

<b>Function</b>	Functions as a transcriptional repressor. Seems to function as a transcriptional corepressor in neuronal cells through recruitment of HDAC3 and HDAC4. Contributes to tumor progression, and tumor cell proliferation and survival. This may be mediated at least in part through repressing transcriptional activity of GADD45GIP1. Required for recruiting the proteasome from the nucleus to the cytoplasm and dendritic spines.
<b>Tissue specificity</b>	Overexpressed in several types of carcinomas including ovarian serous carcinomas. Expression levels positively correlate with tumor recurrence in ovarian serous carcinomas, and intense immunoreactivity in primary ovarian tumors predicts early recurrence. Up-regulated in ovarian carcinomas after chemotherapy, suggesting a role in development of chemotherapy resistance in ovarian cancer.
<b>Sequence similarities</b>	Contains 1 BEN domain. Contains 1 BTB (POZ) domain.
<b>Cellular localization</b>	Nucleus. Cytoplasm. Distribution in the cytoplasm is dependent on phosphorylation.

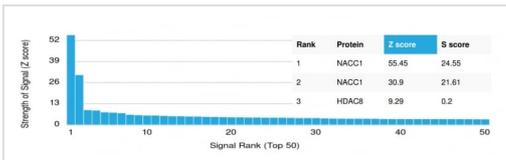
## Images



Flow Cytometry - Anti-Nac1 antibody [PCRP-NACC1-1A8] - BSA and Azide free (ab277111)

This data was developed using [ab277093](#), the same antibody clone in a different buffer formulation.

Flow cytometry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Nac1 using [ab277093](#) at  $2 \mu\text{g}/10^6$  cells followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Protein Array - Anti-Nac1 antibody [PCRP-NACC1-1A8] (ab277111)

This data was developed using [ab277093](#), the same antibody clone in a different buffer formulation.

Analysis of Protein Array containing more than 19,000 full-length human proteins using [ab277093](#).

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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

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