

Product datasheet

Anti-Nectin 3 antibody [103-A1] ab16913

★★★★★ 3 Abreviews 4 References

Overview

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-Nectin 3 antibody [103-A1] |
| Description | Rat monoclonal [103-A1] to Nectin 3 |
| Host species | Rat |
| Tested applications | Suitable for: IHC-Fr, IP, ICC/IF, Flow Cyt, Functional Studies Unsuitable for: WB |
| Species reactivity | Reacts with: Mouse Does not react with: Rat, Human |
| Immunogen | Recombinant fragment, corresponding to Mouse Nectin 3 extracellular domain, amino acids 50-400 fused to IgG Fc. |
| Positive control | L-cells (A cultured line of C3H mouse fibroblasts) |
| 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&As</p> |

Properties

| | |
|-----------------------------|---------------------------------------------------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | Preservative: 0.02% Sodium azide Constituents: PBS, 0.1% BSA |
| Purity | Protein G purified |
| Purification notes | Provided as a 0.2µm purified antibody solution |
| Clonality | Monoclonal |
| Clone number | 103-A1 |
| Isotype | IgG2a |

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab16913 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 |
|--------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| IHC-Fr | ★★★★★ (1) | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |
| ICC/IF | ★★★★☆ (1) | Use at an assay dependent concentration. |
| Flow Cyt | ★★★★☆ (1) | Use at an assay dependent concentration. ab18450 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |
| Functional Studies | | Use at an assay dependent concentration. |

Application notes

Is unsuitable for WB.

Target

Function

Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body.

Tissue specificity

Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines.

Sequence similarities

Belongs to the nectin family.
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

Cell membrane.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors