

Product datasheet

Anti-AHNAK2 antibody ab224055

3 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-AHNAK2 antibody |
| Description | Rabbit polyclonal to AHNAK2 |
| Host species | Rabbit |
| Tested applications | Suitable for: ICC/IF, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment corresponding to Human AHNAK2 aa 2600-2750. Database link: Q8IVF2 Run BLAST with Run BLAST with |
| Positive control | IHC-P: Human skin. ICC/IF: U-2 OS cells. |
| 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. 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: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab224055 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 |
|-------------|-----------|---|
| ICC/IF | | Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100. |
| IHC-P | | 1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

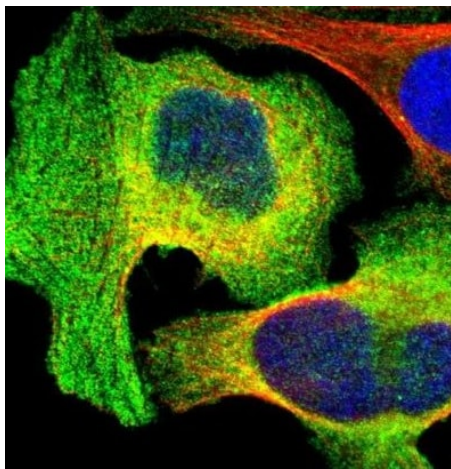
Relevance

AHNAK2 contains 1 PDZ (DHR) domain. There are 3 named isoforms of AHNAK2 produced by alternative splicing. AHNAK2 is a 600-kDa protein composed of a large number of highly conserved repeat segments. AHNAKs are a class of giant propeller-like proteins that associate with calcium channel proteins of cardiomyocytes and other cells.

Cellular localization

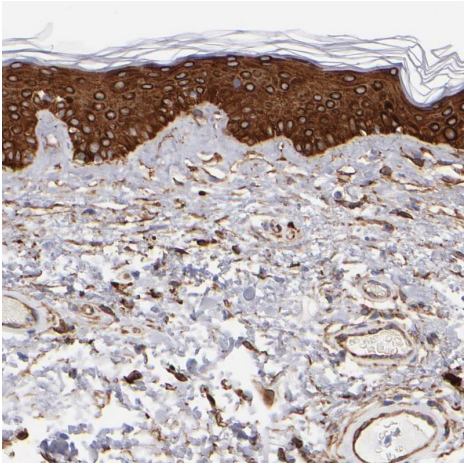
Nuclear

Images



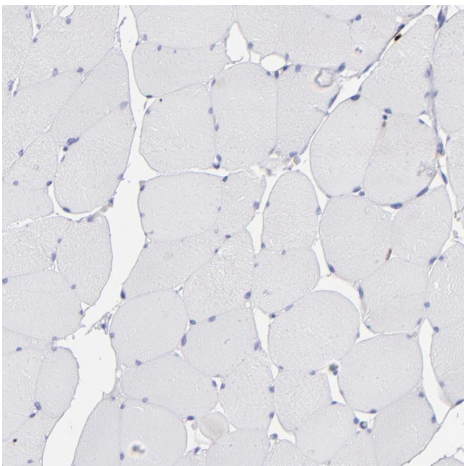
PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for AHNAK2 (green) using ab224055 (4 µg/ml) in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-AHNAK2 antibody (ab224055)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AHNAK2 antibody (ab224055)

Paraffin embedded human skin tissue stained for AHNAK2 with ab224055 at a 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AHNAK2 antibody (ab224055)

Paraffin embedded human skin tissue stained for AHNAK2 with ab224055 at a 1/500 dilution in immunohistochemical analysis. No staining is observed.

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