

## Product datasheet

# Anti-ANKRD23 antibody ab122320

★★★★☆ 2 Abreviews 1 References 4 Images

### Overview

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<b>Product name</b>	Anti-ANKRD23 antibody
<b>Description</b>	Rabbit polyclonal to ANKRD23
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	antigen: KRLRHRVPPR KPEPLVKPQS QAQVEPVGLE MFLKAAAENQ EYLIDKYLTD GGDPAHDKL HRTALHWAC, corresponding to amino acids 84-152 of Human ANKRD23 (Q86SG2).

[Run BLAST with ExPASy](#) [Run BLAST with NCBI](#)

**Positive control** ICC: A-431 cells. IHC: human smooth muscle and prostate tissue.

**General notes**

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

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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). Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab122320** in the following tested applications.

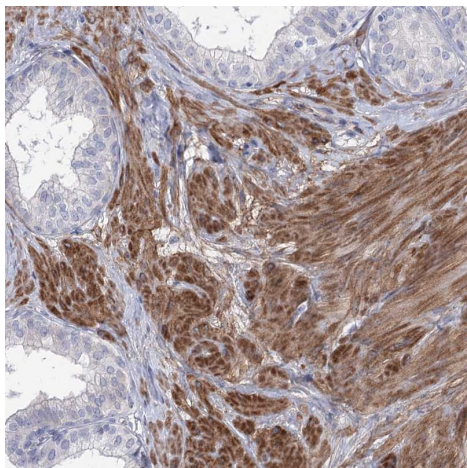
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.

## Target

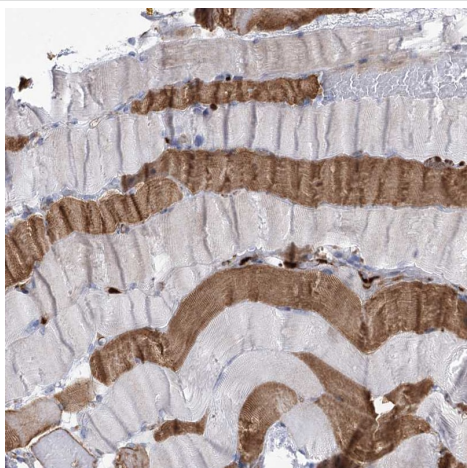
<b>Function</b>	May be involved in the energy metabolism. Could be a molecular link between myofibrillar stretch-induced signaling pathways and muscle gene expression.
<b>Tissue specificity</b>	Mainly expressed in heart, skeletal muscle and brown adipose tissues.
<b>Sequence similarities</b>	Contains 4 ANK repeats.
<b>Cellular localization</b>	Nucleus. Sarcomeric I-band and some intercalated disks.

## Images

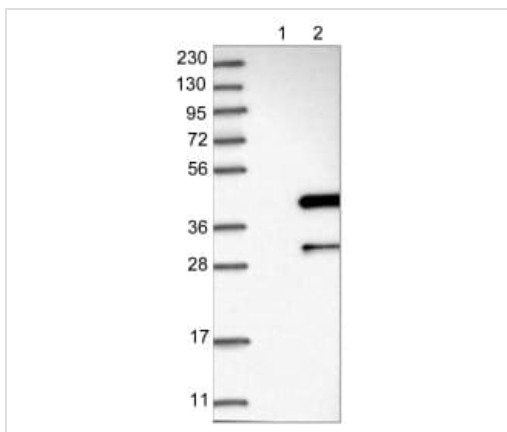


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ANKRD23 antibody (ab122320)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human prostate with ab122320 at 1/250 dilution showing strong cytoplasmic positivity in smooth muscle cells



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ANKRD23 antibody (ab122320)

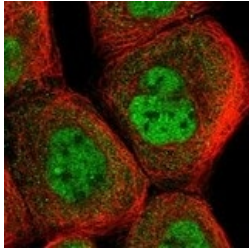


Western blot - Anti-ANKRD23 antibody (ab122320)

**All lanes** : Anti-ANKRD23 antibody (ab122320) at 1/250 dilution

**Lane 1** : Negative control (vector only transfected HEK293T lysate)

**Lane 2** : Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



Immunofluorescent staining of human cell line A-431  
(Fixation/Permeabilization: PFA/Triton X-100) with ab122320 at  
4ug/ml shows positivity in nucleus but not nucleoli & cytoplasm.

Immunocytochemistry/ Immunofluorescence - Anti-  
ANKRD23 antibody (ab122320)

**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**

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- 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

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