

## Product datasheet

# Anti-p400 antibody ab251710

[5 Images](#)

### Overview

---

<b>Product name</b>	Anti-p400 antibody
<b>Description</b>	Rabbit polyclonal to p400
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human p400 aa 900-1100. Database link: <a href="#">Q96L91</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human cerebral cortex, skin and testis tissue. ICC/IF: U-2 OS cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

---

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab251710 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		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

## Target

### Function

Component of the NuA4 histone acetyltransferase complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. May be required for transcriptional activation of E2F1 and MYC target genes during cellular proliferation. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. May regulate ZNF42 transcription activity.

### Tissue specificity

Ubiquitously expressed.

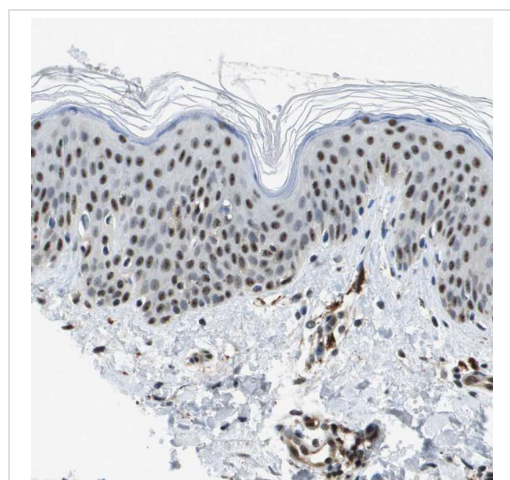
### Sequence similarities

Belongs to the SNF2/RAD54 helicase family, SWR1 subfamily.  
Contains 1 helicase ATP-binding domain.  
Contains 1 helicase C-terminal domain.  
Contains 1 HSA domain.  
Contains 1 Myb-like domain.

### Cellular localization

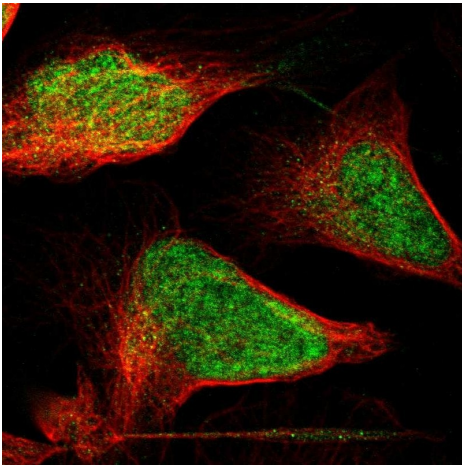
Nucleus.

## Images



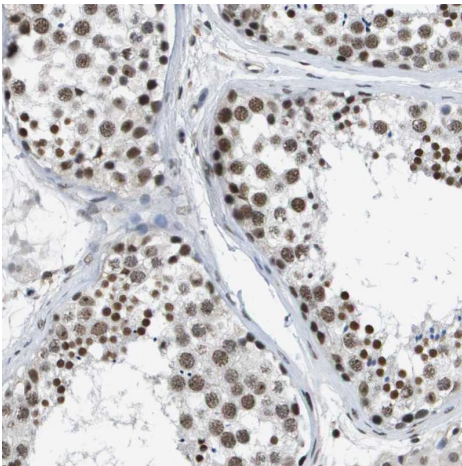
Paraffin-embedded human skin tissue stained for p400 using ab251710 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p400 antibody (ab251710)



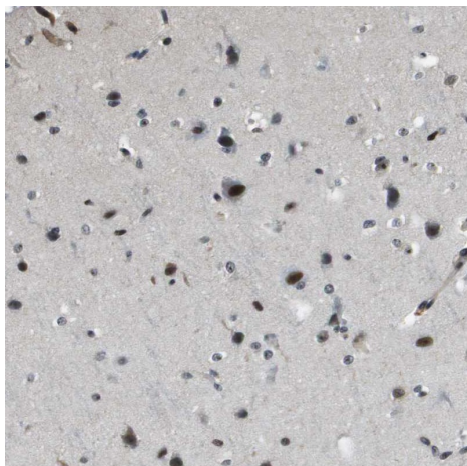
Immunocytochemistry/ Immunofluorescence - Anti-p40 antibody (ab251710)

PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for p40 (green) using ab251710 at 4  $\mu\text{g/ml}$  in ICC/IF.



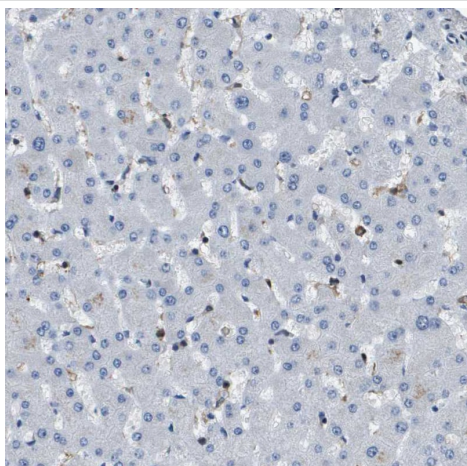
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p40 antibody (ab251710)

Paraffin-embedded human testis tissue stained for p40 using ab251710 at 1/50 dilution in immunohistochemical analysis.



Paraffin-embedded human cerebral cortex tissue stained for p400 using ab251710 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p400 antibody (ab251710)



Paraffin-embedded human liver tissue stained for p400 using ab251710 at 1/50 dilution in immunohistochemical analysis. No nuclear positivity in hepatocytes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p400 antibody (ab251710)

**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