


Anti-PC4 antibody ab84459

[4 References](#) [3 Images](#)

Overview

Product name	Anti-PC4 antibody
Description	Rabbit polyclonal to PC4
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Rhesus monkey, Gorilla, Orangutan, Platypus 
Immunogen	Synthetic peptide corresponding to a region between residues 77 and 127 of Human PC4 (NP_006704.2)
Positive control	Human: bladder carcinoma, breast carcinoma, colon carcinoma, linitis plastica stomach cancer, ovarian carcinoma, pancreatic islet cell tumor, prostate carcinoma, skin basal cell carcinoma, skin melanoma, skin squamous cell carcinoma, small cell lung cancer, stomach adenocarcinoma, testicular seminoma. Mouse: skin, seratoma
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	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab84459 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		

Application notes

IHC-P: 1/100 - 1/500. Antigen retrieval with citrate buffer may improve staining.
Note: likely to work with frozen sections.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

General coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. May be involved in stabilizing the multiprotein transcription complex. Binds single-stranded DNA. Also binds, in vitro, non-specifically to double-stranded DNA (ds DNA).

Sequence similarities

Belongs to the transcriptional coactivator PC4 family.

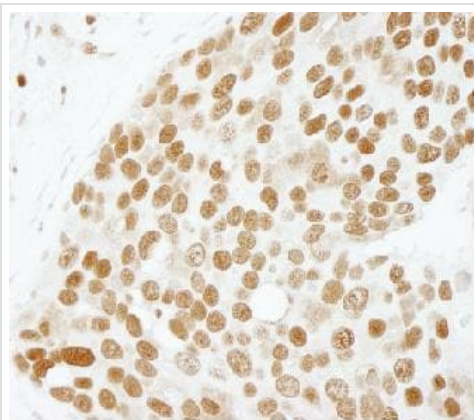
Post-translational modifications

Activity is controlled by protein kinases that target the regulatory region. Phosphorylation inactivates both ds DNA-binding and cofactor function, but does not affect binding to ssDNA. Seems to be phosphorylated in vivo by CK2 in at least 7 sites in the N-terminal Ser-rich region.

Cellular localization

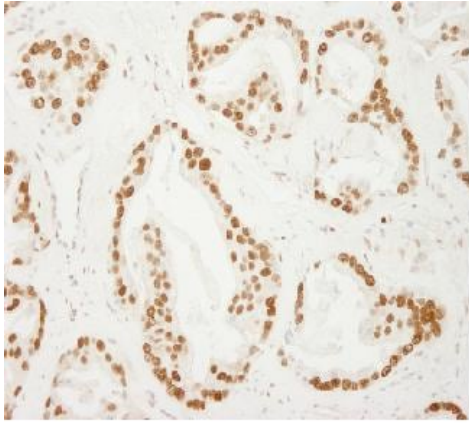
Nucleus.

Images



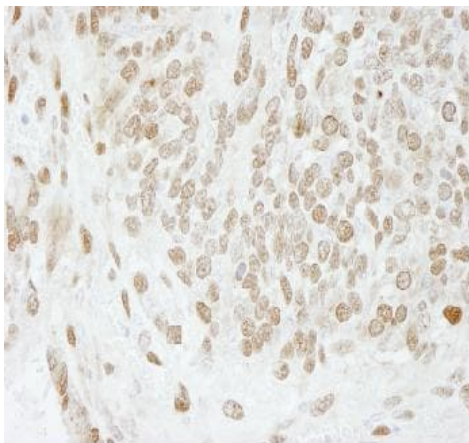
Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Human breast carcinoma tissue using 1/250 ab84459, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PC4 antibody (ab84459)



Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Human prostate carcinoma tissue using 1/250 ab84459, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PC4 antibody (ab84459)



Immunohistochemistry analysis of formalin-fixed, paraffin-embedded Mouse teratoma tissue using 1/250 ab84459, followed by DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PC4 antibody (ab84459)

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

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