




# Anti-p38IP antibody ab122517

[1 References](#) [6 Images](#)

## Overview

<b>Product name</b>	Anti-p38IP antibody
<b>Description</b>	Rabbit polyclonal to p38IP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human p38IP aa 50-200.  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> 
<b>Positive control</b>	IHC-P: Human testis tissue, cerebral cortex, prostate tissue, rectum tissue. ICC/IF: U-2 OS cells. WB: HEK-293T cell lysate.
<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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
<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 ab122517 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
WB		Use a concentration of 0.04 - 0.4 µg/ml.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

Required for MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) activation during gastrulation. Required for down-regulation of E-cadherin during gastrulation by regulating E-cadherin protein level downstream from NCK-interacting kinase (NIK) and independently of the regulation of transcription by Fgf signaling and Snail (By similarity). Required for starvation-induced ATG9A trafficking during autophagy.

### Tissue specificity

Highly expressed in testis, moderately in brain and pituitary gland. Expressed in several fetal tissues, including lung, brain, thymus and kidney. Expression is down-regulated in malignant prostate tissues.

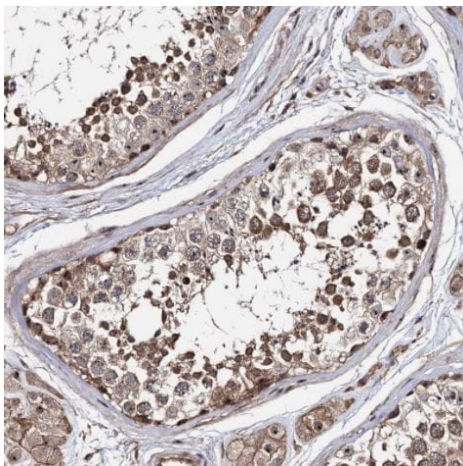
### Sequence similarities

Belongs to the FAM48 family.

### Cellular localization

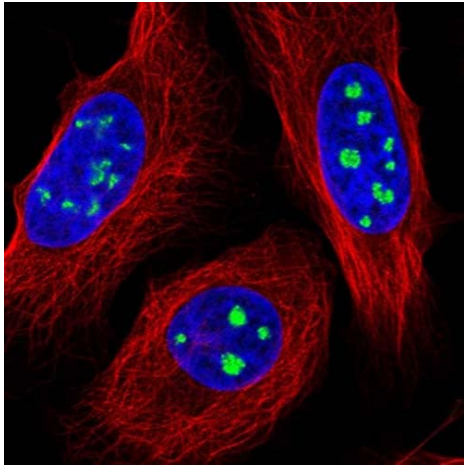
Nucleus.

## Images



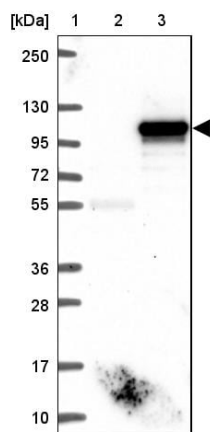
Paraffin embedded human testis tissue stained for p38IP using ab122517 at 1/500 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38IP antibody (ab122517)



Immunocytochemistry/ Immunofluorescence - Anti-p38IP antibody (ab122517)

Immunofluorescent staining of Human cell line U-2 OS shows positivity in nucleoli. Recommended concentration of ab122517 1-4 µg/ml. Cells treated with PFA/Triton X-100.



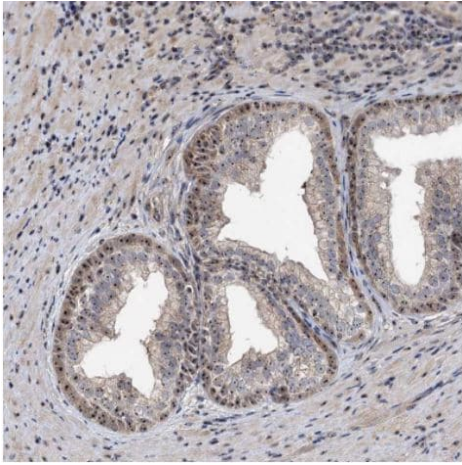
Western blot - Anti-p38IP antibody (ab122517)

**Lanes 2-3 :** Anti-p38IP antibody (ab122517)

**Lane 1 :** Marker

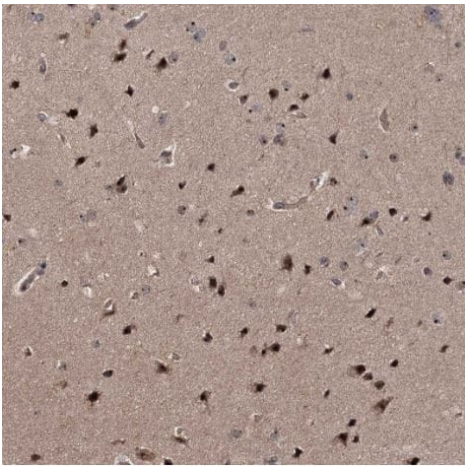
**Lane 2 :** HEK293T cell lysate - vector only transfected

**Lane 3 :** HEK293T cell lysate - overexpressing p38IP with a C-terminal myc-DDK tag (~3.1kDa)



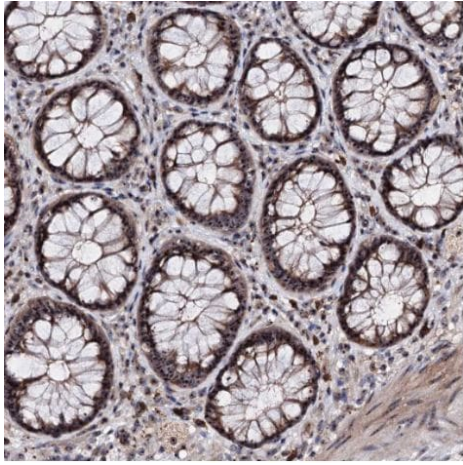
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38IP antibody (ab122517)

Paraffin embedded human prostate tissue stained for p38IP using ab122517 at 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38IP antibody (ab122517)

Paraffin embedded human cerebral cortex tissue stained for p38IP using ab122517 at 1/500 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-p38IP antibody (ab122517)

Paraffin embedded human rectum tissue stained for p38IP using ab122517 at 1/500 dilution in immunohistochemical analysis.

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

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