

## Product datasheet

# Anti-Calpain 6 antibody ab76974

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

### Overview

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<b>Product name</b>	Anti-Calpain 6 antibody
<b>Description</b>	Rabbit polyclonal to Calpain 6
<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> Mouse, Rat, Human
<b>Immunogen</b>	An 18 amino acid peptide from near the carboxy terminus of human Calpain 6.
<b>Positive control</b>	Rat lung tissue lysate.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; 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.</p> <p>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&amp;As.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Affinity chromatography purified via peptide column.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab76974** in the following tested applications.

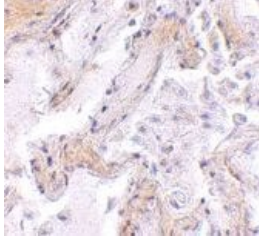
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 75 kDa.
ICC/IF		Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 2.5 µg/ml.

## Target

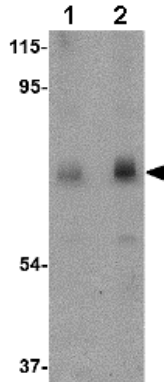
<b>Function</b>	Microtubule-stabilizing protein that may be involved in the regulation of microtubule dynamics and cytoskeletal organization. May act as a regulator of RAC1 activity through interaction with ARHGEF2 to control lamellipodial formation and cell mobility. Does not seem to have protease activity as it has lost the active site residues.
<b>Tissue specificity</b>	Expressed only in placenta.
<b>Sequence similarities</b>	Belongs to the peptidase C2 family. Contains 1 C2 domain. Contains 1 calpain catalytic domain.
<b>Cellular localization</b>	Cytoplasm > perinuclear region. Cytoplasm > cytoskeleton > spindle. During mitose associated with the mitotic spindle. At telophase colocalized to the midbody spindle.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Calpain 6 antibody (ab76974)

ab76974 at 2.5µg/ml staining Calpain6 in human lung tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).



Western blot - Anti-Calpain 6 antibody (ab76974)

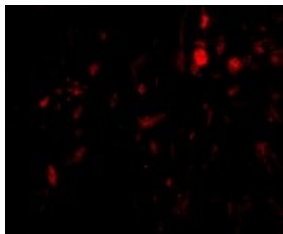
**Lane 1** : Anti-Calpain 6 antibody (ab76974) at 0.5 µg/ml

**Lane 2** : Anti-Calpain 6 antibody (ab76974) at 1 µg/ml

**All lanes** : rat lung tissue lysate

**Predicted band size:** 75 kDa

**Observed band size:** 75 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Calpain 6 antibody (ab76974)

Immunofluorescence of CAPN6 in Human Lung cells using ab76974 at 20 ug/ml.

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

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