

# Anti-Cholecystokinin antibody ab27441

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### Overview

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<b>Product name</b>	Anti-Cholecystokinin antibody
<b>Description</b>	Rabbit polyclonal to Cholecystokinin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human Cholecystokinin aa 50 to the C-terminus (N terminal). The exact sequence is proprietary. Database link: <a href="#">P06307</a>
<b>Positive control</b>	Stomach. This antibody gave a positive result when used in the following formaldehyde fixed cell lines: CaCO2
<b>General notes</b>	<p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></p> <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

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<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: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

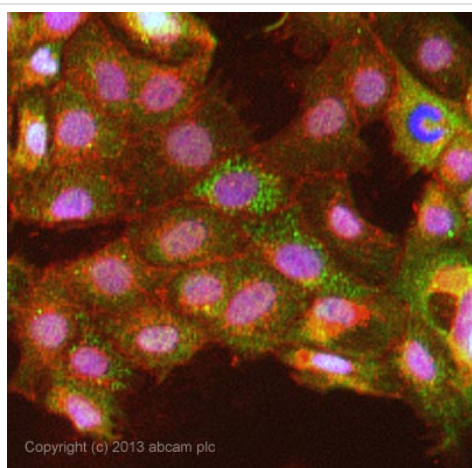
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab27441 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200. Do not perform antigen retrieval. Incubate for 10 minutes at room temperature.
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use at an assay dependent concentration. Predicted molecular weight: 12 kDa.

## Target

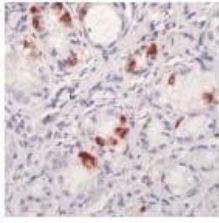
<b>Function</b>	This peptide hormone induces gall bladder contraction and the release of pancreatic enzymes in the gut. Its function in the brain is not clear. Binding to CCK-A receptors stimulates amylase release from the pancreas, binding to CCK-B receptors stimulates gastric acid secretion.
<b>Sequence similarities</b>	Belongs to the gastrin/cholecystokinin family.
<b>Post-translational modifications</b>	The precursor is cleaved by proteases to produce a number of active cholecystokinins.
<b>Cellular localization</b>	Secreted.

## Images



ICC/IF image of ab27441 stained CaCO<sub>2</sub> cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab27441 at 10µg/ml overnight at +4°C. The secondary antibody (green) was DyLight<sup>®</sup> 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor<sup>®</sup> 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-Cholecystokinin antibody (ab27441)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cholecystokinin antibody (ab27441)

Ab27441, at a dilution of 1/200, staining Cholecystokinin in formalin fixed, paraffin embedded stomach tissue by Immunohistochemistry.



Western blot - Anti-Cholecystokinin antibody (ab27441)

Anti-Cholecystokinin antibody (ab27441) at 1/25 dilution + Brain cell lysate

**Predicted band size:** 12 kDa

**Observed band size:** 12 kDa

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

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