




## Product datasheet

# Anti-Chymotrypsin antibody ab231724

5 Images

### Overview

---

<b>Product name</b>	Anti-Chymotrypsin antibody
<b>Description</b>	Rabbit polyclonal to Chymotrypsin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Recombinant full length protein (His-T7-tag) corresponding to Rat Chymotrypsin aa 1 to the C-terminus. Mature chain lacking signal and propeptides. Expressed in E.coli. N-terminal tags. Database link: <a href="#">P55091</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant rat Chymotrypsin; rat pancreas and testis lysates; IHC-P: Rat pancreas tissue.
<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: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

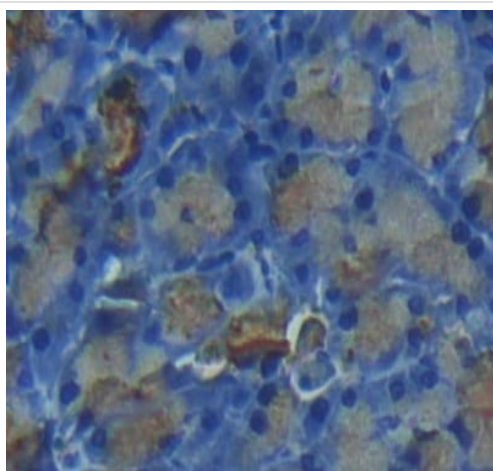
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab231724 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 29 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

## Target

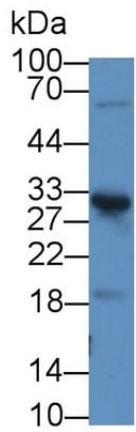
<b>Function</b>	Has chymotrypsin-type protease activity and hypocalcemic activity.
<b>Tissue specificity</b>	Pancreas.
<b>Involvement in disease</b>	Variations in CTSC influence susceptibility to chronic pancreatitis [MIM:167800]. Chronic pancreatitis is a persistent inflammatory disorder characterized by permanent destruction of the pancreatic parenchyma.
<b>Sequence similarities</b>	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.

## Images



Formalin-fixed, paraffin-embedded rat pancreas tissue stained for Chymotrypsin using ab231724 at 20 µg/ml in immunohistochemical analysis. DAB staining.

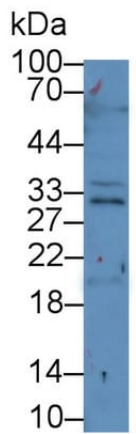
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chymotrypsin antibody (ab231724)



Western blot - Anti-Chymotrypsin antibody  
(ab231724)

Anti-Chymotrypsin antibody (ab231724) at 2  $\mu$ g/ml + Rat pancreas lysate

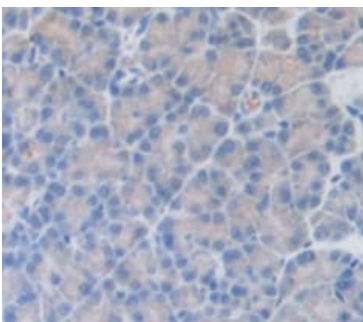
**Predicted band size:** 29 kDa



Western blot - Anti-Chymotrypsin antibody  
(ab231724)

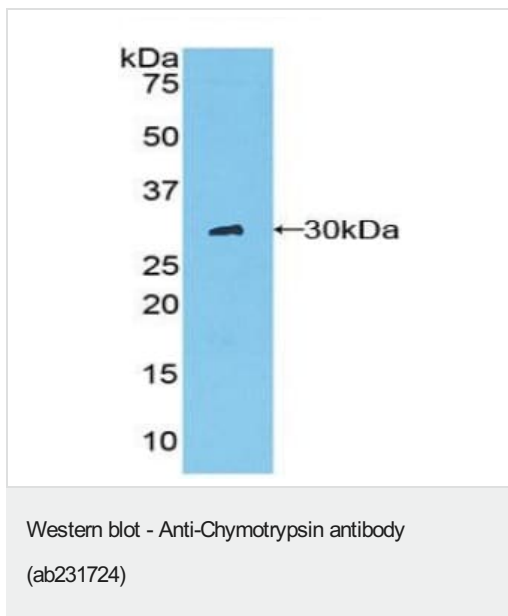
Anti-Chymotrypsin antibody (ab231724) at 2  $\mu$ g/ml + Rat testis lysate

**Predicted band size:** 29 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Chymotrypsin antibody  
(ab231724)

Formalin-fixed, paraffin-embedded rat pancreas tissue stained for Chymotrypsin using ab231724 at 20  $\mu$ g/ml in immunohistochemical analysis. DAB staining.



Anti-Chymotrypsin antibody (ab231724) at 2 µg/ml + Recombinant rat Chymotrypsin protein

**Predicted band size:** 29 kDa

**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