

# Anti-Cathepsin V antibody ab124656

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## Overview

<b>Product name</b>	Anti-Cathepsin V antibody
<b>Description</b>	Rabbit polyclonal to Cathepsin V
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab124656 detects endogenous levels of fragment of activated CATL2 resulting from cleavage adjacent to Leu114.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human, African green monkey
<b>Immunogen</b>	A synthetic peptide, corresponding to internal sequence amino acids of Human Cathepsin V.
<b>Positive control</b>	Human breast tissue; 293 and COS cell extracts, treated with etoposide 25uM 1h.
<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 -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 0.88% Sodium chloride, 50% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	PBS (without Mg <sup>2+</sup> , Ca <sup>2+</sup> )
<b>Clonality</b>	Immunogen affinity purified
<b>Isotype</b>	Polyclonal
	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab124656 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		1/500 - 1/1000. Predicted molecular weight: 37 kDa.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

### Function

Cysteine protease. May have an important role in corneal physiology.

### Tissue specificity

Predominantly expressed in the thymus and testis. Also expressed in corneal epithelium, and to a lesser extent in conjunctival epithelium and skin.

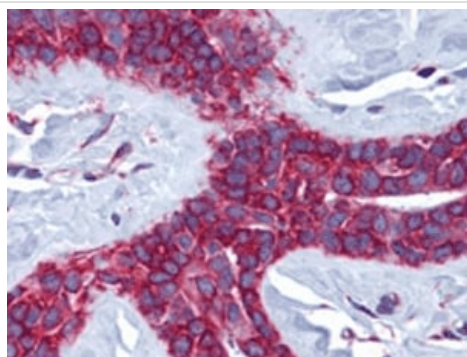
### Sequence similarities

Belongs to the peptidase C1 family.

### Cellular localization

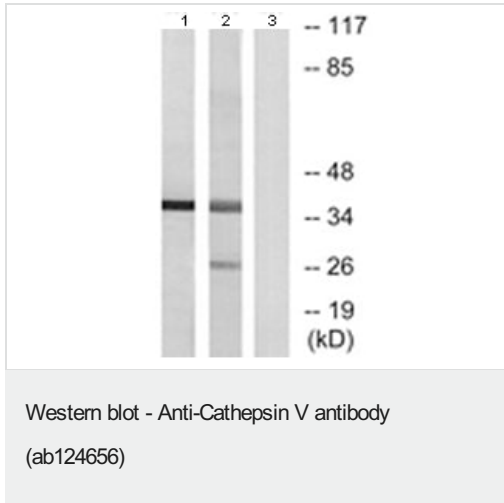
Lysosome.

## Images



ab124656, at 1/500 dilution, staining Cathepsin V in Formalin-Fixed, Paraffin-Embedded Human breast tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathepsin V antibody (ab124656)



**All lanes :** Anti-Cathepsin V antibody (ab124656) at 1/500 dilution

**Lane 1 :** 293 cell extracts, treated with etoposide 25uM 1h

**Lane 2 :** COS cell extracts, treated with etoposide 25uM 1h

**Lane 3 :** 293 cell extracts, treated with etoposide 25uM 1h with synthesized peptide

**Predicted band size:** 37 kDa

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

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