

## Product datasheet

# Anti-Caspase-7 antibody [SP284] - C-terminal ab226763

Recombinant RabMAb

[6 Images](#)

### Overview

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<b>Product name</b>	Anti-Caspase-7 antibody [SP284] - C-terminal
<b>Description</b>	Rabbit monoclonal [SP284] to Caspase-7 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: Jurkat cell lysate. IHC-P: Human tonsil, endometrial adenocarcinoma, lung adenocarcinoma and breast ductal carcinoma tissues.
<b>General notes</b>	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

### Properties

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<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: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP284
<b>Isotype</b>	IgG

### Applications

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The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab226763 in the following tested applications.

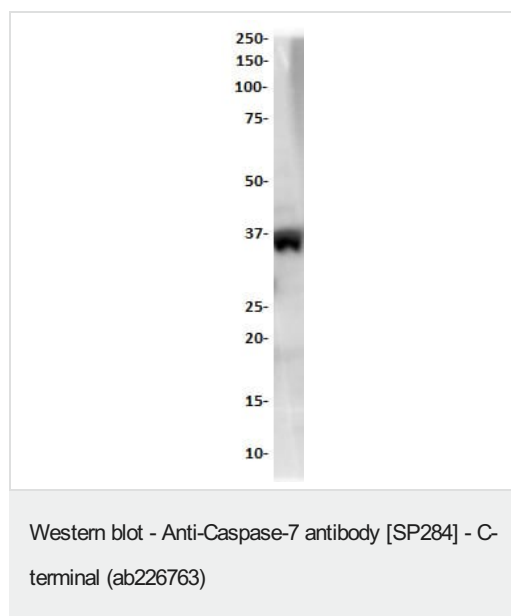
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/400. Predicted molecular weight: 28,32,34,38 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

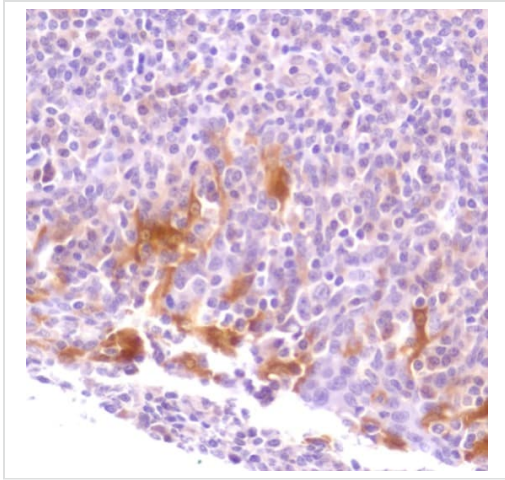
<b>Function</b>	Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-Gly-217' bond. Overexpression promotes programmed cell death.
<b>Tissue specificity</b>	Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.
<b>Sequence similarities</b>	Belongs to the peptidase C14A family.
<b>Post-translational modifications</b>	Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3, and vice versa, also occur.
<b>Cellular localization</b>	Cytoplasm.

## Images



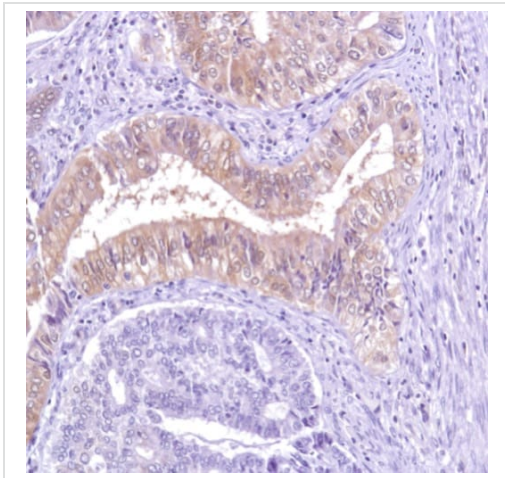
Anti-Caspase-7 antibody [SP284] - C-terminal (ab226763) at 1/400 dilution + Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate

**Predicted band size:** 28,32,34,38 kDa



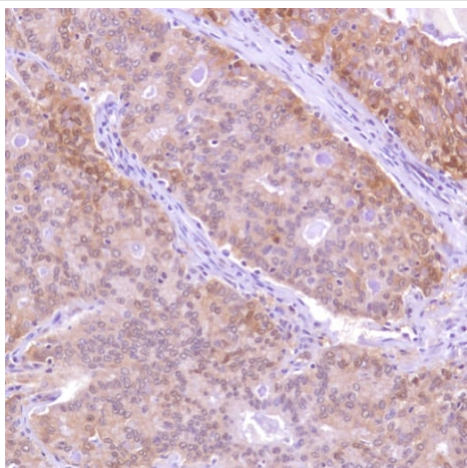
Formalin-fixed, paraffin-embedded human tonsil tissue stained for Caspase-7 using ab226763 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-7 antibody [SP284] - C-terminal (ab226763)



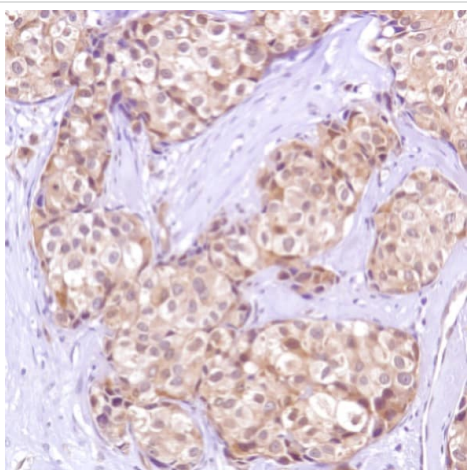
Formalin-fixed, paraffin-embedded human endometrial adenocarcinoma tissue stained for Caspase-7 using ab226763 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-7 antibody [SP284] - C-terminal (ab226763)



Formalin-fixed, paraffin-embedded human lung adenocarcinoma tissue stained for Caspase-7 using ab226763 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-7 antibody [SP284] - C-terminal (ab226763)



Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for Caspase-7 using ab226763 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-7 antibody [SP284] - C-terminal (ab226763)

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Caspase-7 antibody [SP284] - C-terminal  
(ab226763)

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

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- 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

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