

## Product datasheet

# Anti-Caspase-12 antibody ab62484

★★★★☆ 5 Abreviews 18 References 5 Images

### Overview

<b>Product name</b>	Anti-Caspase-12 antibody
<b>Description</b>	Rabbit polyclonal to Caspase-12
<b>Specificity</b>	This antibody reacts with both the propeptide and cleaved forms of Caspase-12.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IHC-Fr, ELISA, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse Caspase-12. immunogen sequence from within aa 181 to 240 Database link: <a href="#">O08736</a>
<b>Positive control</b>	WB: Human heart lysate. IHC-P: Human and rat heart tissue.

### 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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Caspase-12 Antibody is (Large)affinity chromatography purified via peptide column.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab62484** in the following tested applications.

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

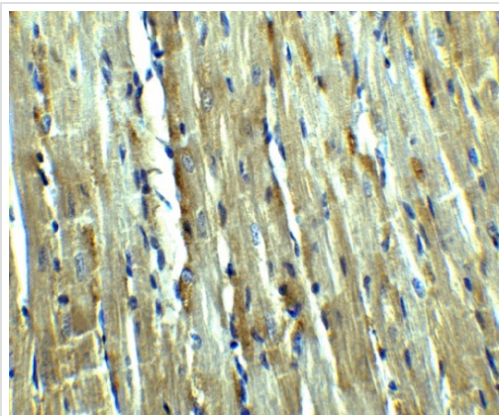
Application	Abreviews	Notes
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Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 38-45 kDa (predicted molecular weight: 38-45 kDa). This antibody will detect full length Casp12 (42 kDa) and also the cleaved active form (38 kDa) in the appropriate lysates.
IHC-P		Use a concentration of 2 µg/ml.
IHC-Fr		Use at an assay dependent concentration. PubMed: 18621034
ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★☆	Use at an assay dependent concentration.

## Target

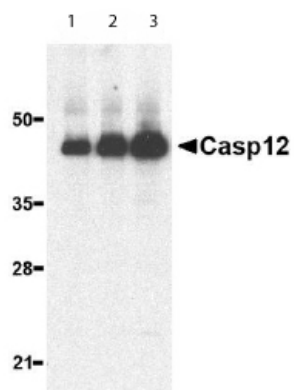
<b>Function</b>	Has no protease activity. May reduce cytokine release in response to bacterial lipopolysaccharide during infections. Reduces activation of NF-kappa-B in response to TNF.
<b>Tissue specificity</b>	Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis.
<b>Sequence similarities</b>	Belongs to the peptidase C14A family. Contains 1 CARD domain.

## Images



Paraffin-embedded rat heart tissue stained for Caspase-12 using ab62484 at 2.5 µg/ml dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-12 antibody (ab62484)



Western blot - Anti-Caspase-12 antibody (ab62484)

**Lane 1** : Anti-Caspase-12 antibody (ab62484) at 0.5 µg/ml

**Lane 2** : Anti-Caspase-12 antibody (ab62484) at 1 µg/ml

**Lane 3** : Anti-Caspase-12 antibody (ab62484) at 2 µg/ml

**Lane 1** : Human heart lysate

**Lane 2** : Human heart lysate

**Lane 3** : Human heart lysate

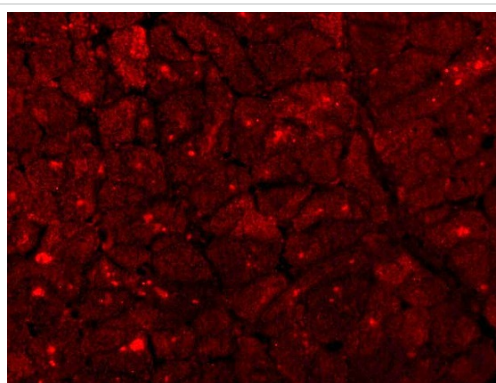
Lysates/proteins at 15 µg per lane.

### Secondary

Anti rabbit IgG secondary antibody

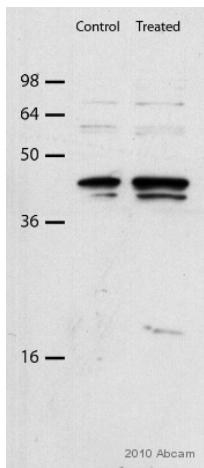
**Predicted band size** : 38-45 kDa

**Observed band size** : 45 kDa



Immunohistochemistry - Anti-Caspase-12 antibody (ab62484)

Immunohistochemical analysis of human heart tissue labelling Caspase-12 with ab62484 at 10 µg/mL.



Western blot - Anti-Caspase-12 antibody (ab62484)

This image is courtesy of an abreview submitted by Karine Thibault, CNRS, Paris, France

**All lanes :** Anti-Caspase-12 antibody (ab62484) at 1/2000 dilution

**Lane 1 :** rat dorsal root ganglion

**Lane 2 :** treated rat dorsal root ganglion

Lysates/proteins at 15 µg per lane.

#### Secondary

anti-rabbit HRP-linked secondary antibody at 1/10000 dilution

Developed using the ECL technique

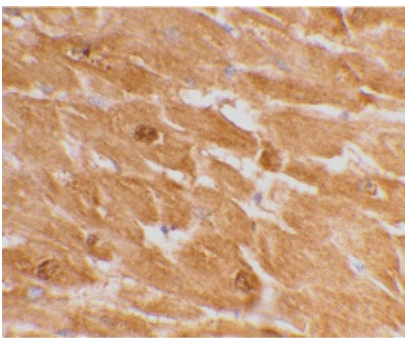
Performed under reducing conditions.

**Predicted band size :** 38-45 kDa

**Exposure time :** 2 minutes

*This image is courtesy of an abreview submitted by Karine Thibault, CNRS, Paris, France*

The full length Casp12 (42 kDa) observed in control rat was cleaved into an active form with a size of 38 kDa in treated rat



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-12 antibody (ab62484)

Paraffin-embedded human heart tissue stained for Caspase-12 using ab62484 at 2 µg/ml dilution in immunohistochemical analysis.

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