

Product datasheet

Anti-Caspase-12 antibody ab62484

★★★★☆ 5 Abreviews 21 References 5 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Caspase-12 Antibody is (Large)affinity chromatography purified via peptide column.
Clonality	Polyclonal
Isotype	IgG

Applications

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

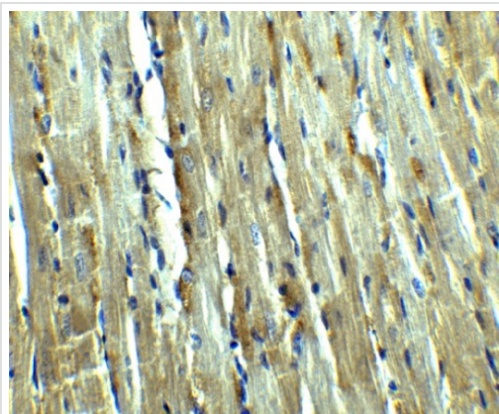
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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

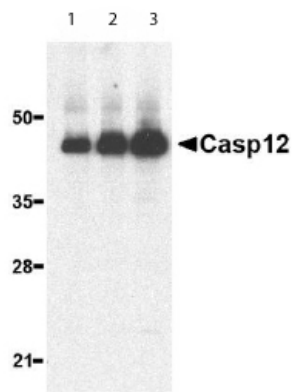
Function	Has no protease activity. May reduce cytokine release in response to bacterial lipopolysaccharide during infections. Reduces activation of NF-kappa-B in response to TNF.
Tissue specificity	Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis.
Sequence similarities	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 $\mu\text{g/ml}$

Lane 2 : Anti-Caspase-12 antibody (ab62484) at 1 $\mu\text{g/ml}$

Lane 3 : Anti-Caspase-12 antibody (ab62484) at 2 $\mu\text{g/ml}$

All lanes : Human heart lysate

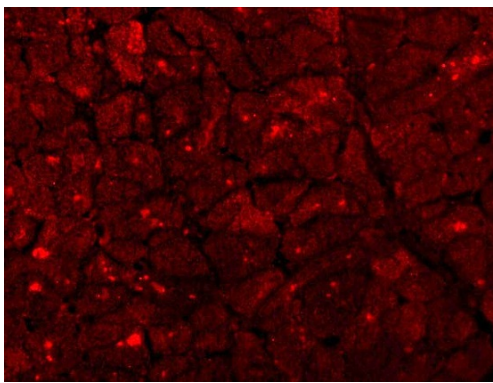
Lysates/proteins at 15 μg per lane.

Secondary

All lanes : Anti rabbit IgG secondary antibody

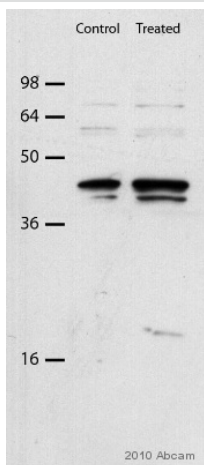
Predicted band size: 38-45 kDa

Observed band size: 45 kDa



Immunohistochemistry - Anti-Caspase-12 antibody (ab62484)

Immunohistochemical analysis of human heart tissue labelling Caspase-12 with ab62484 at 10 $\mu\text{g/mL}$.



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

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

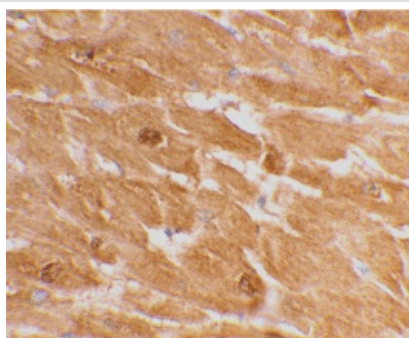
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 38-45 kDa

Exposure time: 2 minutes

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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