

Product datasheet

Anti-Caspase-12 antibody ab62484

★★★★☆ 5 Abreviews 11 References 5 Images

Overview

Product name	Anti-Caspase-12 antibody
Description	Rabbit polyclonal to Caspase-12
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.

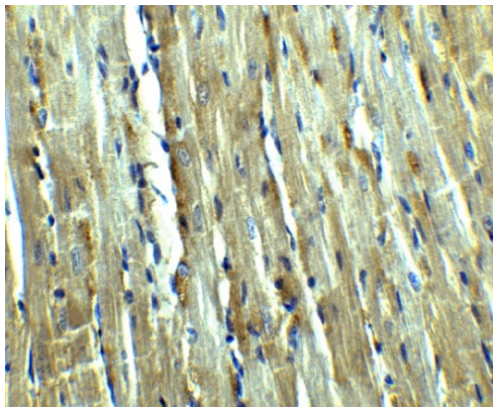
Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 38-45 kDa (predicted molecular weight: 38-45 kDa). This antibody will detect full length Casp12 (42 kDa) and also the cleaved active form (38 kDa) in the appropriate lysates.

Application	Abreviews	Notes
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

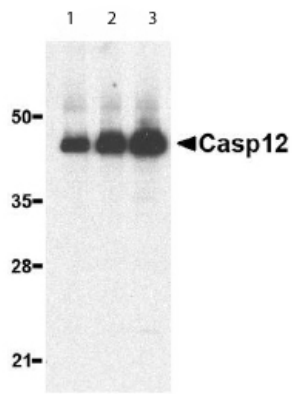
Function	Has no protease activity. May reduce cytokine release in response to bacterial lipopolysaccharide during infections. Reduces activation of NF-kappa-B in response to TNF.
Tissue specificity	Detected in heart, kidney, liver, lung, pancreas, small intestine, spleen, stomach, thymus and testis.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

Anti-Caspase-12 antibody 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 μ g/ml

Lane 2 : Anti-Caspase-12 antibody (ab62484) at 1 μ g/ml

Lane 3 : Anti-Caspase-12 antibody (ab62484) at 2 μ g/ml

Lane 1 : Human heart lysate

Lane 2 : Human heart lysate

Lane 3 : Human heart lysate

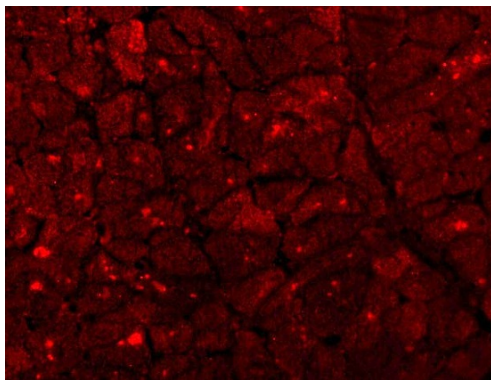
Lysates/proteins at 15 μ g per lane.

Secondary

Anti rabbit IgG secondary antibody

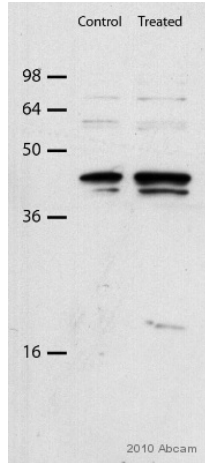
Predicted band size : 38-45 kDa

Observed band size : 45 kDa



Immunohistochemistry - Anti-Caspase-12 antibody (ab62484)

Immunohistochemical analysis of human heart tissue labelling Caspase-12 with ab62484 at 10 μ 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

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

Developed using the ECL technique

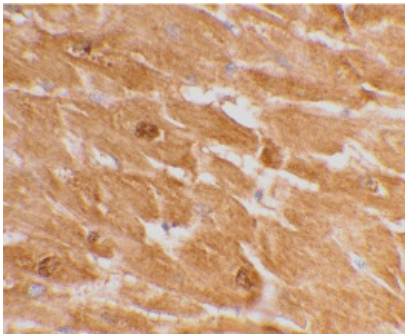
Performed under reducing conditions.

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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