Datasheet for ABIN7445852

anti-Caspase 12 antibody (AA 101-337)

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Overview

Quantity:	100 µL
Target:	Caspase 12 (CASP12)
Binding Specificity:	AA 101-337
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Caspase 12 (CASP12)
Immunogen:	Recombinant Caspase 12 (CASP12) corresdonding to Leu101~Leu337 with Two N-terminal Tags, His-tag and SUMO-tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CASP12. It has been selected for its ability to recognize CASP12 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	Caspase 12 (CASP12)

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Target Details

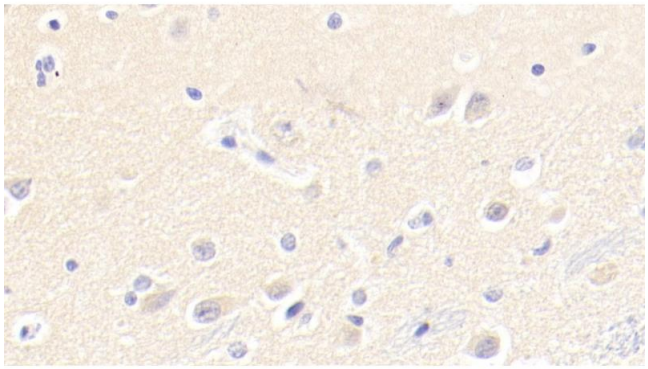
Alternative Name:	Caspase 12 (CASP12 Products)
Background:	CASP12P1, Cysteinyl Aspartate Specific Proteinases 12, Apoptosis-Related Cysteine Peptidase
Pathways:	Apoptosis, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Unfolded Protein Response

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

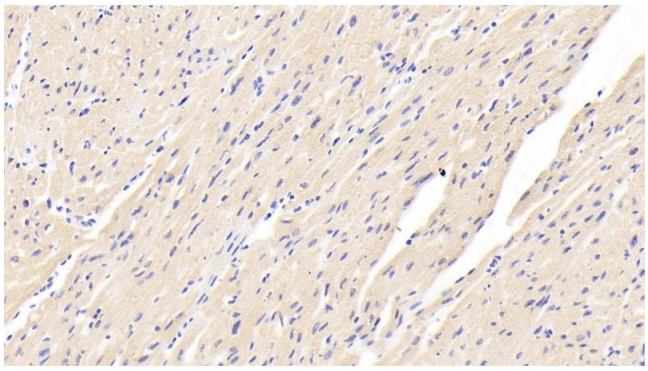
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Detection of CASP12 in Human Cerebrum Tissue using Polyclonal Antibody to Caspase 12 (CASP12)



Immunohistochemistry

Image 2. Detection of CASP12 in Human Cardiac Muscle Tissue using Polyclonal Antibody to Caspase 12 (CASP12)

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