

Datasheet for ABIN567795
anti-Caspase 12 antibody (N-Term)

4 Images

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Overview

Quantity:	0.1 mg
Target:	Caspase 12 (CASP12)
Binding Specificity:	AA 95-318, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Caspase 12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Caspase-12 N-terminal fragment (aa 95-318).
Clone:	14F7
Isotype:	IgG2a
Specificity:	This antibody reacts with Caspase-12 (~53 kDa) on Western blotting, Immunoprecipitation, Immunohistochemistry and Immunocytochemistry.
Purification:	Protein-G Agarose Chromatography of hybridoma supernatant.

Target Details

Target:	Caspase 12 (CASP12)
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Target Details

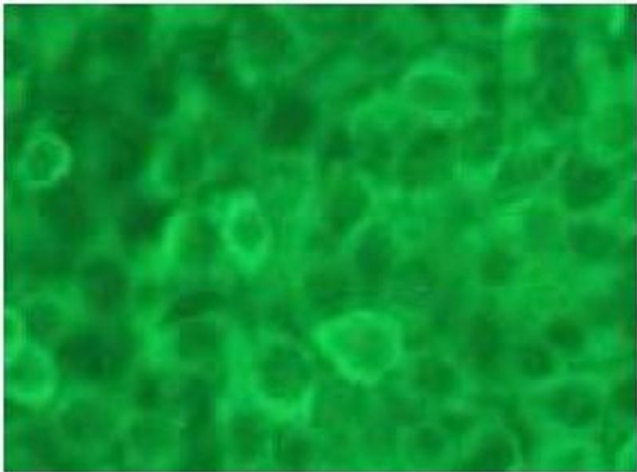
Alternative Name:	Caspase-12 (CASP12 Products)
Background:	<p>Caspase-12 is localized to the endoplasmic reticulum (ER), but not to cytoplasm or mitochondrion. Caspase-12 is activated by ER stress, including disruption of ER calcium homeostasis and accumulation of excess proteins in ER, but not by membrane- or mitochondrial-targeted apoptotic signals. One well-known cause of ER stress in neurons is the accretion of amyloid-beta, the insoluble protein that forms plaques in the brains of patients with Alzheimer's disease. Caspase-12 mediates cytotoxicity induced by amyloid-beta and ER stress-induced apoptosis. Caspase-12 is ubiquitously expressed in tissues. Similar to other members of the Caspase family, Caspase-12 requires cleavage of the prodomain to activate its proapoptotic form. Synonyms: CASP-12, CASP12, Inactive caspase-12</p>
Gene ID:	100506742
NCBI Accession:	NP_001177945
UniProt:	Q6UXS9
Pathways:	Apoptosis , ER-Nucleus Signaling , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

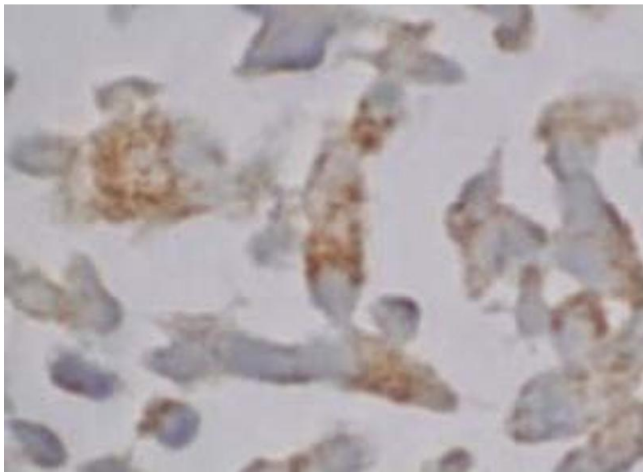
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, pH 7.2 containing 50 % Glycerol without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



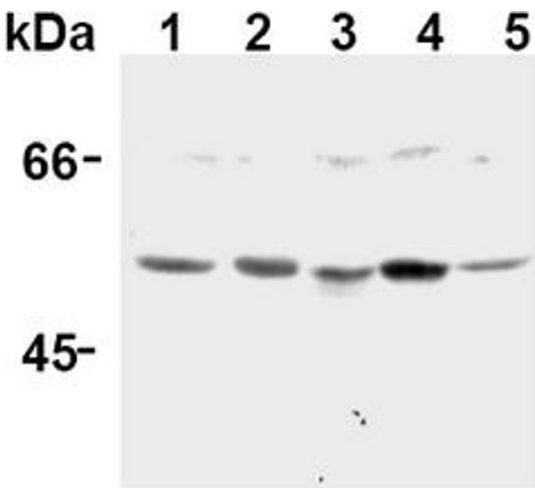
Immunofluorescence

Image 1.



Immunohistochemistry

Image 2.



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN567795.