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Datasheet for ABIN3030292

anti-Caspase 12 antibody (AA 71-84)

5 Images

Overview

Quantity:	100 µg
Target:	Caspase 12 (CASP12)
Binding Specificity:	AA 71-84
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 12 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 71-84 (KIFREHLWNSKKQL-human) were used as the immunogen for this Caspase-12 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Caspase 12 (CASP12)
Alternative Name:	Caspase-12 (CASP12 Products)
Background:	Caspase-12 is an enzyme known as a cysteine protease. It belongs to a family of enzymes called caspases that cleave their substrates at C-terminal aspartic acid residues. The CASP12 gene was mapped to chromosome 11q22.3. Caspase-12 attenuates the inflammatory and

Target Details

innate immune response to endotoxins and in doing so may constitute a risk factor for developing sepsis. The estrogen-mediated inhibition of its expression is a built-in mechanism that has evolved to protect females from infection by favoring a more robust inflammatory response to pathogens, perhaps notably in childbirth.

UniProt: [Q6UXS9](#)

Pathways: [Apoptosis](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the Caspase-12 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL

Restrictions: For Research Use only

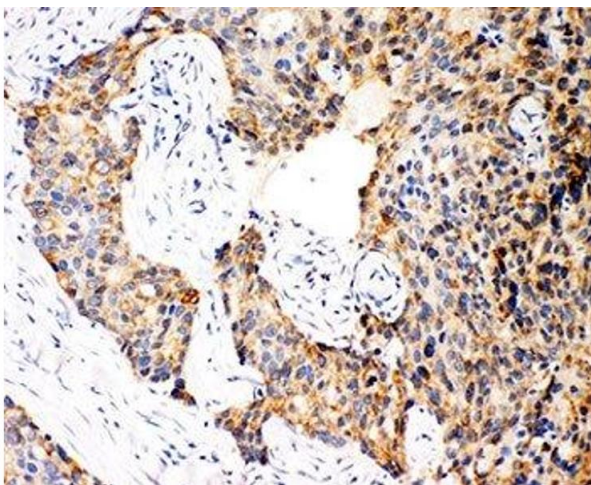
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

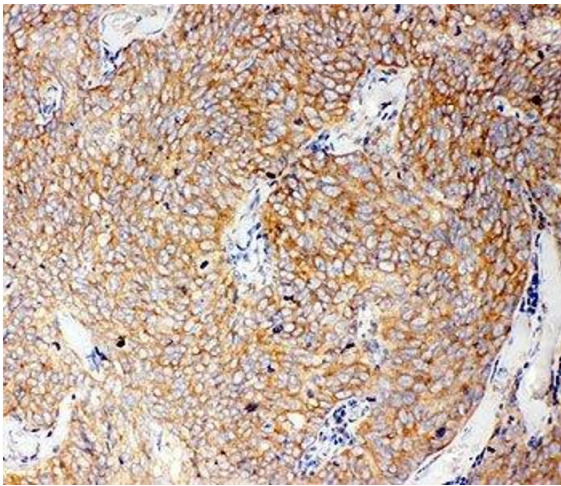
Storage Comment: After reconstitution, the Caspase-12 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



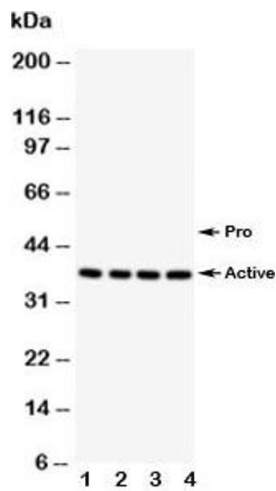
Immunohistochemistry

Image 1. IHC-P: Caspase-12 antibody testing of human breast cancer tissue



Immunohistochemistry

Image 2. IHC-P: Caspase-12 antibody testing of human lung cancer tissue



Western Blotting

Image 3. Western blot testing of Caspase-12 antibody; Lane 1: PANC; 2: SMMC-7721; 3: A549; 4: HeLa

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030292.