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# Datasheet for ABIN3030293 anti-CASP14 antibody (AA 223-242)

5 Images



### Overview

Quantity:	100 µg
Target:	CASP14
Binding Specificity:	AA 223-242
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 223-242 (KARKTNPEIQSTLRKRLYLQ-human) were used as the immunogen for
	this Caspase-14 antibody.
Isotype:	lgG
Purification:	Antigen affinity

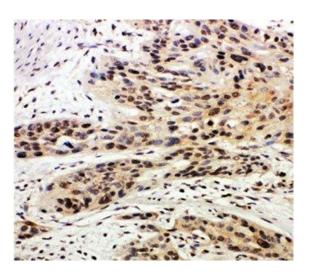
## Target Details

Target:	CASP14
Alternative Name:	Caspase-14 (CASP14 Products)
Background:	Caspase 14 is an enzyme that in humans is encoded by the CASP14 gene. CASP14 belongs the evolutionarily conserved caspase family. CASP14 was assigned to chromosome 19p13.1.
	Using Northern blot and semiquantitative RT-PCR analyses, it was showed that CASP14 was

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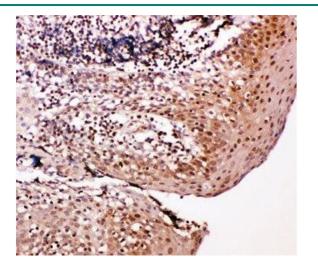
Target Details	
	transcriptionally upregulated during maintenance of confluent cultures of human epidermal keratinocytes. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier. Caspase 14 seems to play a role in keratinocyte differentiation and cornification and probably regulates maturation of the epidermis by proteolytically processing filaggrin.
UniProt:	P31944
Application Details	
Application Notes:	The stated application concentrations are suggested starting points. Titration of the Caspase- 14 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-14 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-14 antibody testing of human esophagus squama cancer tissue



# kDa 200 --116 --97 --66 --44 --31 --22 --14 --6 --1 2 3 4 5

#### Immunohistochemistry

Image 2. IHC-P: Caspase-14 antibody testing of human

tonsil tissue

### Western Blotting

**Image 3.** Western blot testing of Caspase-14 antibody; Lane 1: rat brain; 2: rat liver; 3: rat spleen; 4: human A431; 5: mouse NIH3T3

Please check the product details page for more images. Overall 5 images are available for ABIN3030293.