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Datasheet for ABIN2856832

## anti-CASP14 antibody (C-Term)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	CASP14
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP14 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human Caspase 14. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to Caspase 14 (caspase 14, apoptosis-related cysteine peptidase) Caspase 14 antibody
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	CASP14
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## Target Details

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Alternative Name: caspase 14 ([CASP14 Products](#))

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Background: This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This caspase has been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier.

Cellular Localization: Cytoplasm , Nucleus

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Molecular Weight: 28 kDa

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Gene ID: 23581

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UniProt: [P31944](#)

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## Application Details

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Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

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Comment: Positive Control: A431 , PC-3

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

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Preservative: Thimerosal (Merthiolate)

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Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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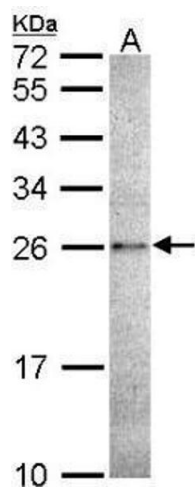
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

## Publications

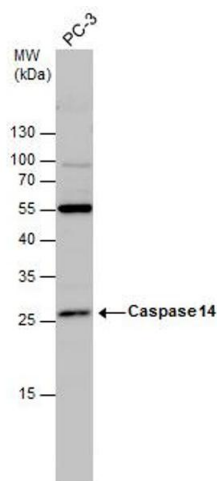
Product cited in: Lin, Kiihl, Suhail, Liu, Chou, Kuang, Lu, Khor, Lin, Bader, Irizarry, Boeke: "Functional dissection of lysine deacetylases reveals that HDAC1 and p300 regulate AMPK." in: **Nature**, Vol. 482, Issue 7384, pp. 251-5, (2012) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: A431 , 12% SDS PAGE antibody diluted at 1:1000



### Western Blotting

**Image 2.** WB Image Caspase 14 antibody detects Caspase 14 protein by western blot analysis. Whole cell extracts (30 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with Caspase 14 antibody , at a dilution of 1:1000.