

Datasheet for ABIN6990387
anti-CASP14 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	CASP14
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Caspase-14 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human caspase-14. The immunogen is located within the last 50 amino acids of Caspase-14.
Isotype:	IgG
Purification:	Caspase-14 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CASP14
Alternative Name:	Caspase-14 (CASP14 Products)
Background:	Caspase-14 Antibody: Caspases are a family of cysteine proteases that can be divided into apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of

Target Details

the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. Members of this subfamily include caspase-1, -4, -5, and -12 and can activate proinflammatory cytokines such as IL-1b and IL-18. Caspase-14 is highly expressed in embryonic but not adult tissues. It is 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 the keratinocyte terminal differentiation, which is important for the formation of the skin barrier.

Molecular Weight: Predicted: 28 kDa

Observed: 27 kDa

Gene ID: 23581

UniProt: [P31944](#)

Application Details

Application Notes: Caspase-14 antibody can be used for the detection of caspase-14 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Caspase-14 Antibody is supplied in PBS containing 0.02 % sodium azide.

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: -20 °C, 4 °C

Storage Comment: Caspase-14 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles.

Antibodies should not be exposed to prolonged high temperatures.