

Rabbit anti-Human Caspase-14 Polyclonal Antibody | anti-CASP14 antibody

Anti-Caspase-14 Antibody, Rabbit Polyclonal

CATALOG # AAA256097	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Caspase-14; Polyclonal Antibody; Anti-Caspase-14 Antibody; Rabbit Polyclonal; Caspase-14 Antibody; Rabbit PAb; Antigen Affinity Purified; caspase 14; apoptosis-related cysteine peptidase; Anti-ARCI12 Antibody; anti-CASP14 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Caspase-14
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-CASP14 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human Caspase-14 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Caspase-14 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of Caspase-14 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human Caspase-14 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human CASP14 in human skin with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-Caspase-14 rabbit polyclonal antibody at 1:500 dilution Lane A: MCF7 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 28 kDa Observed band size: 28 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CASP14 antibody	Caspase 14 is a member of the caspase family. Caspases are a kind of cysteine proteinase consisting of a prodomain plus large and small catalytic subunits, that play a central role in cell apoptosis. Caspase 14 possesses an unusually short prodomain and is highly expressed in embryonic tissues but absent from most of the adult tissues except for the skin, which suggests a role in ontogenesis and skin physiology. Unlike the other short prodomain caspases (caspase-3, caspase-6, and caspase-7), Caspase 14 was not processed by multiple death stimuli including activation of members of the tumor necrosis factor receptor family and expression of proapoptotic members of the bcl-2 family. Caspase 14 has been described to be processed and activated by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may take part in keratinocyte terminal differentiation, which is essential for the skin barrier.
Product Categories/Family for anti-CASP14 antibody	EGFR Signaling Pathway
References	Hu SM, et al. (1998) Caspase-14 is a novel developmentally regulated protease. The journal of biological chemistry. 273: 29648-53. Marc Van De Craen, et al. (1998) Identification of a new caspase homologue: caspase-14. Cell death differ. 5(10): 838-46.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/caspase-14-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256097>