

Anti-CASP14 / Caspase 14 Antibody (N-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17746**Specification**

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P
Primary Accession	P31944
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27680

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) - Additional Information**Gene ID** 23581**Alias Symbol** **CASP14****Other Names**

CASP14, Caspase-14, Caspase 14, MICE, CASP-14

Target/Specificity

Caspase-14 in cell extracts

Reconstitution & Storage

Antiserum

Precautions

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) - Protein Information**Name** CASP14**Function**

Non-apoptotic caspase involved in epidermal differentiation. Is the predominant caspase in epidermal stratum corneum (PubMed:15556625). Seems to play a role in keratinocyte differentiation and is required for cornification. Regulates maturation of the epidermis by proteolytically processing filaggrin (By similarity). In vitro has a preference for the substrate [WY]-X-X-D motif and is active on the synthetic caspase substrate WEHD-ACF (PubMed:16854378, PubMed:19960512). Involved in processing of prosaposin in the epidermis (By similarity). May be involved in retinal pigment epithelium cell barrier function (PubMed:25121097). Involved in DNA degradation in differentiated keratinocytes probably by cleaving DFFA/ICAD leading to liberation of DFFB/CAD (PubMed:24743736).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Expressed in keratinocytes of adult skin suprabasal layers (from spinous layers to the stratum granulosum and stratum corneum) (at protein level). Expressed in keratinocytes of hair shaft and sebaceous glands (at protein level). In psoriatic skin only expressed at very low levels (PubMed:11175259). The p17/10 mature form is expressed in epidermis stratum corneum, the p20/p8 intermediate form in epidermis upper granular cells of the stratum granulosum (PubMed:22825846).

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CASP14 / Caspase 14 Antibody (N-Terminus) - Images