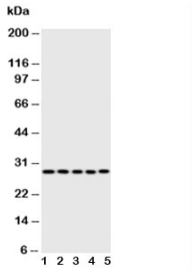
Caspase-14 Antibody (R31216)

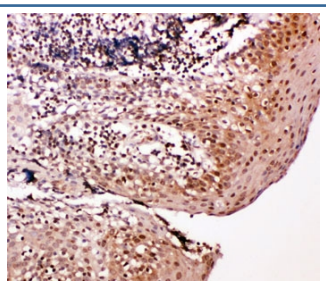
Catalog No.	Formulation	Size
R31216	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

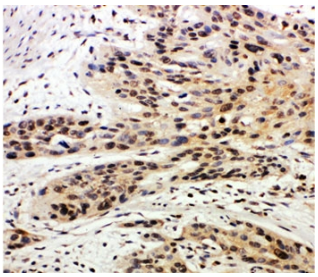
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P31944
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This Caspase-14 antibody is available for research use only.



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



IHC-P: Caspase-14 antibody testing of human tonsil tissue



IHC-P: Caspase-14 antibody testing of human esophagus squama cancer tissue

Description

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 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.

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.

Immunogen

Amino acids 223-242 (KARKTNPEIQSTLRKRLYLQ-human) were used as the immunogen for this Caspase-14 antibody.

Storage

After reconstitution, the Caspase-14 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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