

Anti-Caspase 14 Antibody (1R621)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 28 kDa. Actual: 30 kDa.
Clone:	1R621
Purification:	Protein A purified

Applications

Verified Activity:	25 µg total protein per lane of various lysates (see on figure) probed with Caspase 14 monoclonal antibody, unconjugated (TMAB-03643) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB,IHC-P,IHC-Fr,ICC/IF,IF,IP,FCM
Recommended	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,IP=1:20-50, Flow-Cyt=1:50-100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human Caspase 14
Antigen Species:	Human
Gene ID:	23581
Uniprot ID:	P31944

Research Background

Non-apoptotic caspase involved in epidermal differentiation. Is the predominant caspase in epidermal stratum corneum. Seems to play a role in keratinocyte differentiation and is required for cornification. Regulates maturation of the epidermis by proteolytically processing filaggrin. In vitro has a preference for the substrate [WY]-X-X-D motif and is active on the synthetic caspase substrate WEHD-ACF.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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