Recombinant Human Caspase-14(CASP14)

Catalog No: #AP70118

Package Size: #AP70118-1 20ug #AP70118-2 100ug #AP70118-3 1mg

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Caspase-14(CASP14)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:153-240aaSequence Info:Full Length
Accession No.	P31944
Calculated MW	37.2 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	KDSPQTIPTYTDALHVYSTVEGYIAYRHDQKGSCFIQTLVDVFTKRKGHILELLTEVTRRMAEAELVQEGKARK TNPEIQSTLRKRLY
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Non-apoptotic caspase involved in epidermal differentiation. Is the predominant caspase in epidermal stratum corneum . Ses 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 substate [WY]-X-X-D motif and is active on the synthetic caspase substrate WEHD-ACF . Involved in processing of prosaposin in the epidermis . May be involved in retinal pigment epithelium cell barrier function . Involved in DNA degradation in differentiated keratinocytes probably by cleaving DFFA,ICAD leading to liberation of DFFB,CAD .

References

Multiple pathways are involved in DNA degradation during keratinocyte terminal differentiation.Yamamoto-Tanaka M., Makino T., Motoyama A., Miyai M., Tsuboi R., Hibino T.Cell Death Dis. 5:E1181-E1181(2014) Research Topic:Cell Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.