



Datasheet for ABIN6137958
anti-CASP14 antibody (AA 1-242)



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1 Image

Overview

Quantity:	100 µL
Target:	CASP14
Binding Specificity:	AA 1-242
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASP14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-242 of human Caspase-14 (NP_036246.1).
Sequence:	MSNPRSLEEE KYDMSGARLA LILCVTKARE GSEEDLDALE HMFRLRFES TMKRDPTAEQ FQEELEKFQQ AIDSREDPVS CAFVVLMAHG REGFLKGEDG EMVKLENLFE ALNNKNCQAL RAKPKVYIIQ ACRGEQRDPG ETVGGDEIVM VIKDSPQTIP TYTDALHVYS TVEGYIAYRH DQKGSCFIQT LVDVFTKRKG HILELLTEVT RRMAEAEVLQ EGKARKTNPE IQSTLRKRLY LQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

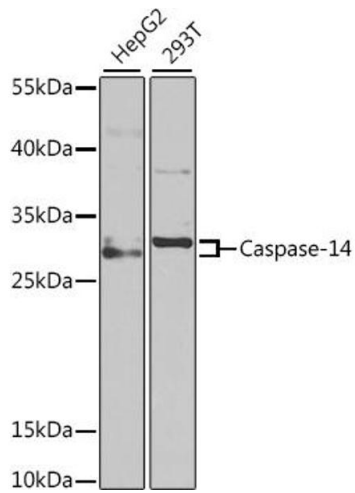
Target:	CASP14
Alternative Name:	CASP14 (CASP14 Products)
Background:	<p>This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This caspase has been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier.,CASP14,ARCI12,Signal Transduction,ErbB-HER Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Caspases,CASP14</p>
Molecular Weight:	27 kDa
Gene ID:	23581
UniProt:	P31944

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Caspase-14 antibody (ABIN6131525, ABIN6137958, ABIN6137959 and ABIN6222205) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.