



Anti-CASP14 (aa 133-242) polyclonal antibody (DPAB-DC1122)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	CASP14 (NP_036246, 133 a.a. ~ 242 a.a) partial recombinant protein with GST tag. The sequence is RGEQRDPGETVGGDEIVMIKDSPQTIPTYTDALHVVSTVEGYIAYRHDQKGSCFIQTLV DVFTKRKGHILELLTEVTRRMAEAEVLQEGKARKTNPEIQSTLRKRLYLQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CASP14 caspase 14, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP14
Synonyms	CASP14; caspase 14, apoptosis-related cysteine peptidase; caspase-14; CASP-14; apoptosis-related cysteine protease; caspase 14, apoptosis-related cysteine protease;
Entrez Gene ID	23581
Protein Refseq	NP_036246
UniProt ID	B2CIS9
Chromosome Location	19p13.1
Function	cysteine-type endopeptidase activity;