

Datasheet for ABIN7266113

anti-CASP14 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	CASP14
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CASP14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Caspase-14 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Caspase-14
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CASP14
Alternative Name:	CASP14 (CASP14 Products)
Background:	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family.

Target Details

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. [provided by RefSeq, Jul 2008],ARCI12,Apoptosis,Apoptosis_Caspases,Cell Biology & Developmental Biology,ErbB-HER Signaling Pathway,Signal Transduction,CASP14

Molecular Weight: 28kDa

Gene ID: 23581

UniProt: [P31944](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

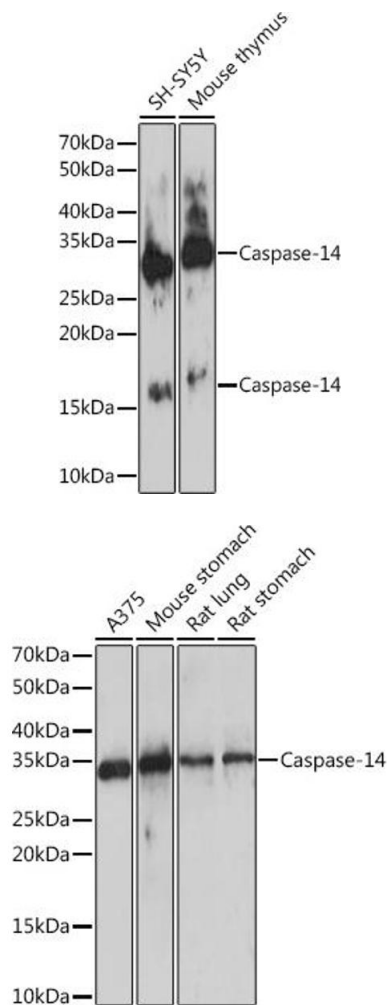
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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 Rabbit mAb (ABIN7266113) 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 Enhanced Kit (RM00021). Exposure time: 30s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Caspase-14 Rabbit mAb (ABIN7266113) 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 Enhanced Kit (RM00021). Exposure time: 10s.