



Rabbit Anti-Human CASP10 monoclonal antibody, clone KK1901 (DCABH-6388)

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

PRODUCT INFORMATION

Target	Caspase-10
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KK1901
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP, FC
Molecular Weight	59 kDa
Cellular Localization	Cytosol.
Positive Control	K562, human liver cancer tissue, human kidney tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Caspase-10, also designated Mch4, is recruited to the native TRAIL and CD9 death-inducing signaling complexes (DISCs) by the FADD/Mort1 adaptor protein complex. Caspase-10 requires the assembly of the FADD and DISC complexes for its recruitment and cleavage-induced activation during CD95-induced apoptosis of activated T cells. The N-terminus of caspase-10 contains FADD-like death effector domains further indicating that it associates with FADD to induce apoptosis. Caspase-10 is not required for apoptosis induction and when overexpressed, cannot reverse defects in apoptosis induction caused by caspase-8 deficiency. Granzyme B cleaves procaspase-10 at an IXXD-A processing sequence to produce mature caspase-10. Mutations in the caspase-10 gene in the prodomain, p17 large protease subunit and p12 small protease subunit have been linked to a number of non-Hodgkin lymphomas in humans.

Keywords

ALPS2;Apoptotic protease Mch-4;CASP 10;CASP-10;CASP10;CASPA_HUMAN;Caspase 10 apoptosis related cysteine peptidase;Caspase-10 subunit p12;FADD like ICE2;Fas associated death domain protein;FAS-associated death domain protein interleukin-1B-converting enzyme 2;FLICE 2;FLICE2;ICE like apoptotic protease 4;ICE-like apoptotic protease 4;Interleukin 1B converting enzyme 2;MCH 4 antibody

GENE INFORMATION

Entrez Gene ID

[843](#)

UniProt ID

[Q92851](#)
