

ARG54400 anti-Caspase 10 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 10
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody recognizes full-length human caspase-10 (59kDa). Since the sequences at C-termini of FLICE2 and Mch4 are different, this antibody recognizes only the FLICE2 form of caspase-10.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 10
Species	Human
Immunogen	Peptide corresponding to aa 505-521 at C-terminus of human FLICE2 (accession no. AAD28402).
Conjugation	Un-conjugated
Alternate Names	Caspase-10; EC 3.4.22.63; ICE-like apoptotic protease 4; Apoptotic protease Mch-4; FAS-associated death domain protein interleukin-1B-converting enzyme 2; FLICE2; CASP-10; ALPS2; MCH4

Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa, Jurkat, A431 and K562	

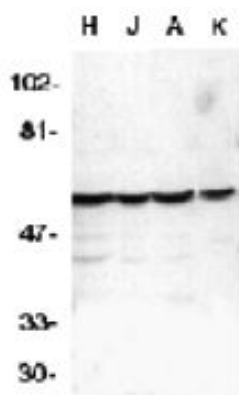
Properties

Form	Liquid
Purification	Immunoaffinity chroma-tography
Buffer	PBS (pH 7.4) and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 843 Human Swiss-port # Q92851 Human
Gene Symbol	CASP10
Gene Full Name	caspase 10, apoptosis-related cysteine peptidase
Background	A novel ICE/CED-3 protease was identified recently, designated FLICE2 and Mch4, and renamed as caspase-10. Caspase-10 has two death effector domains (DEDs) that bind to the DED in the adapter molecule FADD and recruits both TNFR1 and CD95 to form complexes with these receptors. Caspase-10 is, therefore, involved in CD95- and TNFR1-induced apoptosis. Caspase-10 cleaves and activates caspase-3, -4, -6, -7, -8, and -9, thereby causing proteolytic cleavage of many key proteins, such as PARP. Cleavage of PARP occurs in many different systems during apoptosis and is the hallmark of programmed cell death. Caspase-10 is expressed in many tissues and cell lines.
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates caspase-3, -4, -6, -7, -8, and -9. Hydrolyzes the small- molecule substrates, Tyr-Val-Ala-Asp- -AMC and Asp-Glu-Val-Asp- -AMC. Isoform C is proteolytically inactive. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody
Calculated Mw	59 kDa
PTM	Cleavage by granzyme B and autocatalytic activity generate the two active subunits.

Images



ARG54400 anti-Caspase 10 antibody WB image

Western blot: H:HeLa; J:Jurkat; A:A431; K:K562 stained with ARG54400 anti-Caspase 10 antibody at 1 µg/ml dilution.