ARG66636
anti-Caspase 10 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 10
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	WB
Specificity	This antibody detects Human full length Caspase 10 protein and p23/17 subunit of Caspase 10 protein.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 10
Species	Human
Immunogen	Synthetic peptide derived from Human Caspase 10 p23/17 subunit.
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	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	HeLa + Camptothecin
Observed Size	~ 58 kDa

Properties

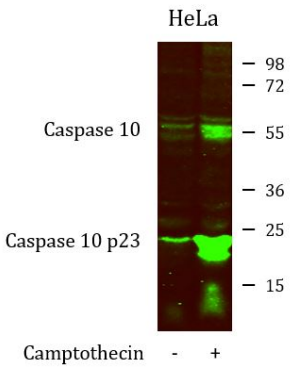
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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

Gene Symbol	CASP10
Gene Full Name	caspase 10, apoptosis-related cysteine peptidase
Background	This gene encodes a protein which is 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 protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
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]
Calculated Mw	59 kDa
PTM	Cleavage by granzyme B and autocatalytic activity generate the two active subunits. [UniProt]

Images



ARG66636 anti-Caspase 10 antibody WB image

Western blot: HeLa cells untreated or treated with 2 mM/ml Camptothecin. The blots were stained with ARG66636 anti-Caspase 10 antibody at 1:1000 dilution, overnight at 4°C.