

ARG58013 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	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 10
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 220-236 of Human Caspase 10 (large subunit). (VKTFLALPRAAVYRMN)
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
	IHC-P	1 - 5 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

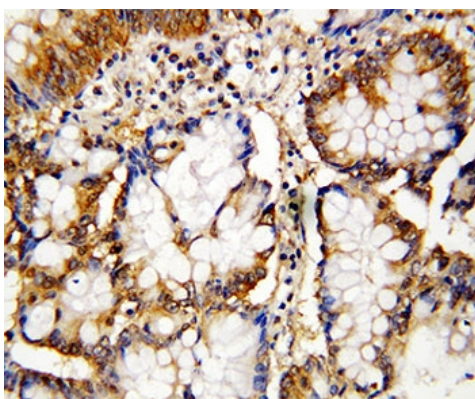
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 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 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

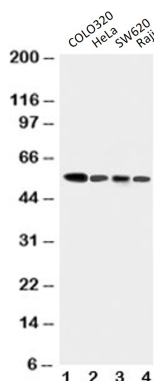
Gene Symbol	CASP10
Gene Full Name	caspase 10, apoptosis-related cysteine peptidase
Background	<p>This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases 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]</p>
Function	<p>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.</p> <p>Isoform C is proteolytically inactive. [UniProt]</p>
Calculated Mw	59 kDa
PTM	Cleavage by granzyme B and autocatalytic activity generate the two active subunits. [UniProt]

Images



ARG58013 anti-Caspase 10 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue stained with ARG58013 anti-Caspase 10 antibody.



ARG58013 anti-Caspase 10 antibody WB image

Western blot: 1) COLO320, 2) HeLa, 3) SW620 and 4) Raji cell lysates stained with ARG58013 anti-Caspase 10 antibody.