

Basic Information

Product Name	Anti-pro Caspase 10/CASP10 Antibody (Clone#GAF-3)	
Gene Name	CASP10	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse	
Tested Application	WB, ICC/IF, IHC, IP, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human pro Caspase 10	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	59 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:10
	Flow Cytometry (FCM):	1:50

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Caspase-10 is an enzyme that, in humans, is encoded by the CASP10 gene. The Caspase 10 gene contains 11 exons and spans about 48 kb. This gene is mapped to 2q33.1. It is transcribed in the centromere-to-telomere direction. This gene encodes a protein that 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 that 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 apoptosis defects seen in type II autoimmune lymphoproliferative

Product datasheet

Anti-pro Caspase 10/CASP10 Antibody (Clone#GAF-3)

Catalog Number: **BM4584**

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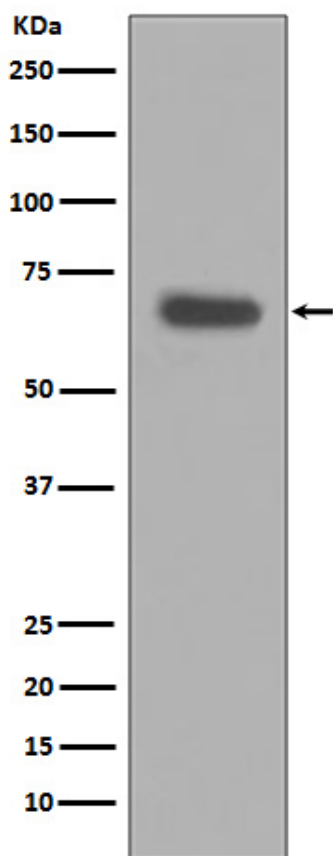
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syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Selected Validation Data



Western blot analysis of pro Caspase 10 expression in HeLa cell lysate.

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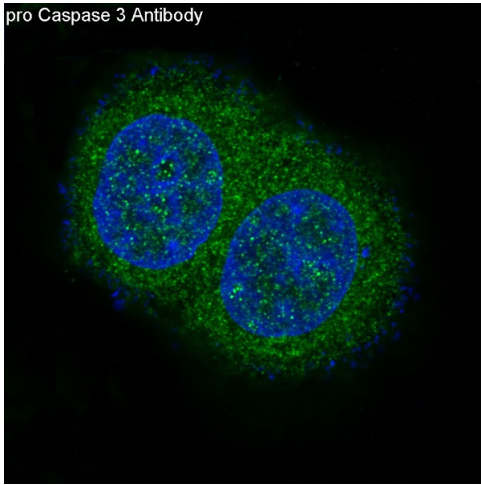
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pro Caspase 3 Antibody



Immunofluorescent analysis of MCF-7 cells, using pro Caspase 10 Antibody.