

Product Name: KD-Validated Caspase 10 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01663

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 59.0kDa

Antigen Information

Gene Name	CASP10
Alternative Names	CASP10; Caspase 10; MCH4; FAS-Associated Death Domain Protein Interleukin-1B-Converting Enzyme 2; FLICE-2; Caspase 10, Apoptosis-Related Cysteine Protease; ICE-Like Apoptotic Protease 4; Caspase-10; CASP-10; FLICE2; Caspase 10, Apoptosis-Related Cysteine Peptidase; Caspase 10 Apoptosis-Related Cysteine Peptidase; Interleukin-1B-Converting Enzyme; Apoptotic Protease MCH-4; Apoptotic Protease Mch-4; FADD-Like ICE2; EC 3.4.22.63; ALPS2
Gene ID	843.0
SwissProt ID	Q92851
Immunogen	A synthesized peptide derived from human Caspase-10

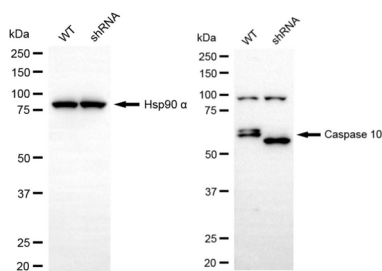
Background

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]

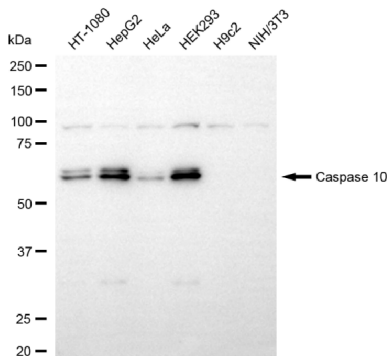
Research Area

Cell Biology,Cancer,Metabolism

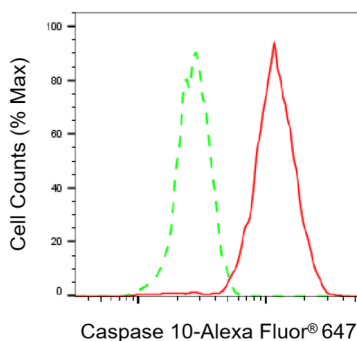
Image Data



Western blotting analysis using caspase 10 antibody (KVA01663). Caspase 10 expression in wild-type (WT) and caspase 10 (CASP10) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with caspase 10 antibody (KVA01663, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using caspase 10 antibody (KVA01663). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with caspase 10 antibody (KVA01663, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Caspase 10 expression in HepG2 cells using Caspase 10 antibody (KVA01663, 1:2,000). Green, isotype control; red, Caspase 10.