

Product Name: KD-Validated Caspase 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00034

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 45.2kDa

Antigen Information

Gene Name	CASP1
Alternative Names	CASP1; Caspase 1; ICE; Caspase-1; IL1BC; Caspase 1, Apoptosis-Related Cysteine Peptidase; Interleukin 1, Beta, Convertase; IL-1 Beta-Converting Enzyme; EC 3.4.22.36; P45; Caspase 1, Apoptosis-Related Cysteine Peptidase (Interleukin 1, Beta, Convertase); Caspase 1, Apoptosis-Related Cysteine Protease (Interleukin 1, Beta, Convertase); Interleukin-1 Beta-Converting Enzyme; Interleukin 1-B Converting Enzyme; Interleukin-1 Beta Convertase; IL1B-Convertase; EC 3.4.22; IL1BCE; CASP-1; IL-1BC
Gene ID	834.0
SwissProt ID	P29466
Immunogen	A synthesized peptide derived from human Caspase-1

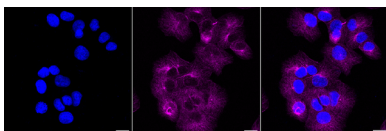
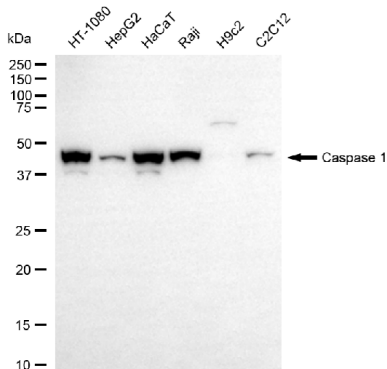
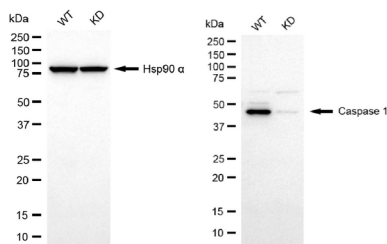
Background

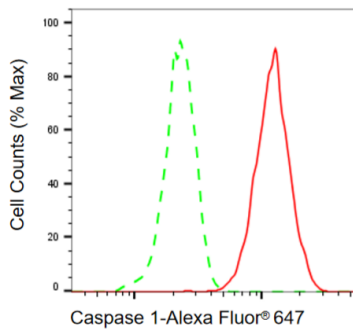
This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Mar 2012]

Research Area

Cell Biology,Cancer,Metabolism

Image Data





Flow cytometric analysis of Caspase 1 expression in HT-1080 cells using Caspase 1 antibody (KVA00034, 1:2,000). Green, isotype control; red, Caspase 1.