

Caspase-1 rabbit pAb

Cat No.:ES8461

For research use only

Overview

Product Name	Caspase-1 rabbit pAb
Host species	Rabbit
Applications	IF;WB;IHC;ELISA
Species Cross-Reactivity	Human; Mouse; Rat
Recommended dilutions	IF: 1:50-200 WB 1:500-2000, IHC 1:50-300, ELISA
	1:10000-20000
Immunogen	The antiserum was produced against synthesized
	peptide derived from the C-terminal region of
	human CASP1. AA range:350-400
Specificity	Caspase-1 Polyclonal Antibody detects endogenous
	levels of Caspase-1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Caspase1
Gene Name	CASP1 IL1BC IL1BCE
Cellular localization	Cytoplasm . Cell membrane .
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	834
Human Swiss-Prot Number	P29466
Alternative Names	caspase 1, apoptosis-related cysteine peptidase
	(interleukin 1, beta, convertase)
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



+86-27-59760950

ELKbio@ELKbiotech.com

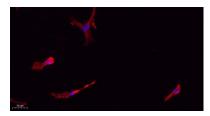
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residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such 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],

Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.





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