

ARG55171 anti-Caspase 5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 5
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, WB
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 5
Species	Human
Immunogen	Synthetic peptide (14 aa) within aa. 170-220 of Human Caspase-5.
Conjugation	Un-conjugated
Alternate Names	Protease ICH-3; Caspase-5; Protease TY; CASP-5; EC 3.4.22.58; ICE; ICEREL-III; ICH-3; ICE(rel)III; rel

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	2 µg/ml
	WB	0.5 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Ramos Cell Lysate	

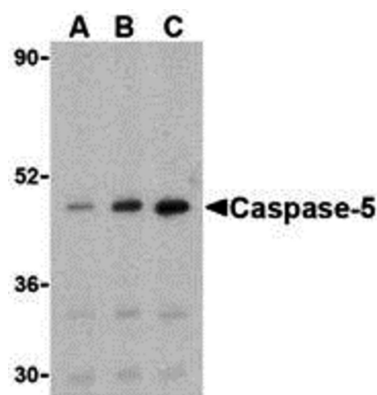
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 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.

Bioinformation

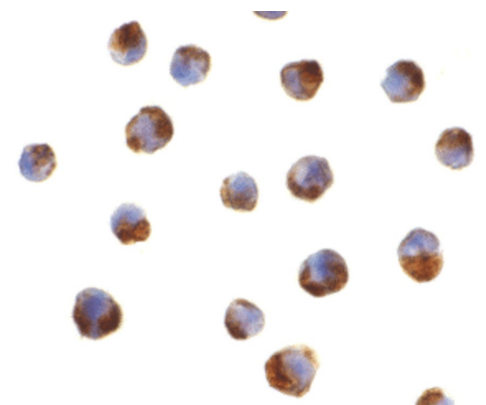
Database links	GeneID: 838 Human Swiss-port # P51878 Human
Gene Symbol	CASP5
Gene Full Name	caspase 5, apoptosis-related cysteine peptidase
Background	Caspase-5 Antibody: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. Members of this subfamily include caspase-1, -4, -5, and -12. Activation of these caspases results in the cleavage and activation of proinflammatory cytokines such as IL-1 β and IL-18. Caspase-5 can interact with caspase-1; both are constituents of the NALP1 inflammasome, a complex that can trigger the cleavage of pro-IL-1 β . Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN-gamma.
Function	Mediator of programmed cell death (apoptosis).
Research Area	Cell Biology and Cellular Response antibody; Cell Death antibody
Calculated Mw	50 kDa
PTM	The two subunits are derived from the precursor sequence by an autocatalytic mechanism.

Images



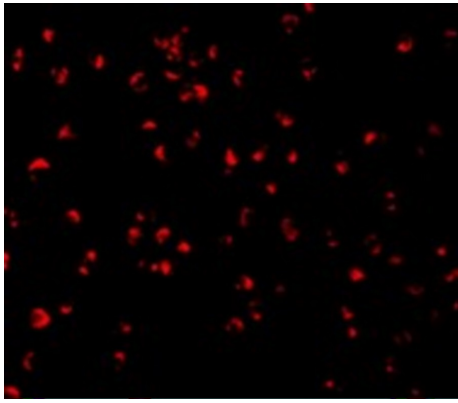
ARG55171 anti-Caspase 5 antibody WB image

Western blot: Ramos cells stained with ARG55171 anti-Caspase 5 antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml dilution.



ARG55171 anti-Caspase 5 antibody ICC/IF image

Immunocytochemistry: P815 cells stained with ARG55171 anti-Caspase 5 antibody at 2 ug/ml dilution.



ARG55171 anti-Caspase 5 antibody ICC/IF image

Immunofluorescence: P815 cells stained with ARG55171 anti-Caspase 5 antibody at 2 ug/ml dilution.