

ARG55178 anti-Caspase 4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Caspase 4
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 4
Species	Bovine
Immunogen	Synthetic peptide (15 aa) within aa. 80-130 of Bovine Caspase-13.
Conjugation	Un-conjugated
Alternate Names	Mih1/TX; Protease ICH-2; Caspase-4; EC 3.4.22.57; TX; CASP-4; Protease TX; ICE; ICH-2; ICE(rel)II; rel; ICEREL-II

Application Instructions

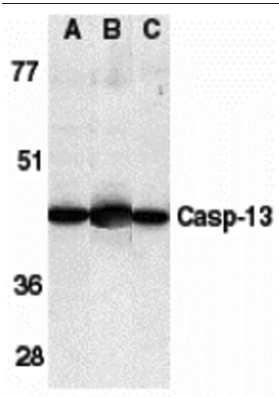
Application table	Application	Dilution
	ELISA	Assay-dependent
	IHC-P	Assay-dependent
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HL60 Cell Lysate	

Properties

Form	Liquid
Purification	Ion exchange chromatography purified.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
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.

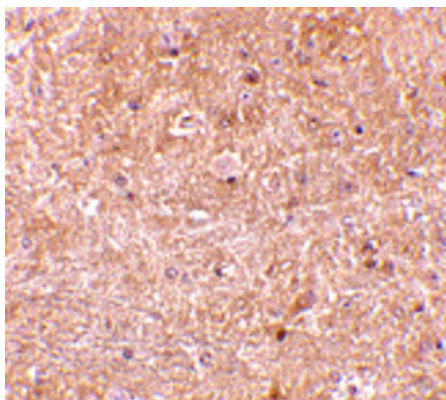
Note	For laboratory research only, not for drug, diagnostic or other use.
Bioinformation	
Database links	GeneID: 12363 Mouse GeneID: 837 Human Swiss-port # P49662 Human Swiss-port # P70343 Mouse
Gene Symbol	CASP4
Gene Full Name	caspase 4, apoptosis-related cysteine peptidase
Background	Apoptosis is related to many diseases and induced by a family of cell death receptors and their ligands. Cell death is finally caused by members of the caspase family of proteases and caspase activated DNases. A novel member in the caspase family was recently identified and designated ERICE (for Evolutionarily Related Interleukin-1 beta Converting Enzyme) and caspase-13. Caspase-13 belongs to the ICE subfamily of caspases. Overexpression of caspase-13 induces apoptosis. Caspase-13 was activated by caspase-8, which is a key enzyme in death receptor induced apoptosis. Caspase-13 is expressed in a variety of human tissues and cell lines.
Function	Involved in the activation cascade of caspases responsible for apoptosis execution. Might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody
Calculated Mw	43 kDa
PTM	In response to activation signals, including endoplasmic reticulum stress or treatment with amyloid beta A4 protein fragments (such as beta-amyloid protein 40), undergoes autoproteolytic cleavage.

Bioinformation



ARG55178 anti-Caspase 4 antibody WB image

Western blot: Human HL60 cell lysate (A), Mouse brain (B) and Rat brain (C) tissue lysates stained with ARG55178 anti-Caspase 4 antibody at 1 ug/ml dilution.



ARG55178 anti-Caspase 4 antibody IHC image

Immunohistochemistry: caspase-13 in Mouse brain tissue stained with ARG55178 anti-Caspase 4 antibody at 10 ug/ml dilution.