

ARG63702 anti-Caspase 4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Caspase 4
Tested Reactivity	Hu
Predict Reactivity	Ms, Cat, Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognise both isoforms of CASP4 (alpha, represented by NP_001216.1 and gamma, NP_150649.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Caspase 4
Species	Human
Immunogen	CKERAEIYPIKERN
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
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 837 Human](#)

[Swiss-port # P49662 Human](#)

Background

This gene encodes a protein that 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody

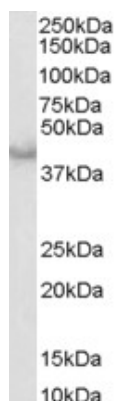
Calculated Mw

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.

Images



ARG63702 anti-Caspase 4 antibody WB image

Western blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG63702 anti-Caspase 4 antibody at 0.3 µg/ml dilution.