

## 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

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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

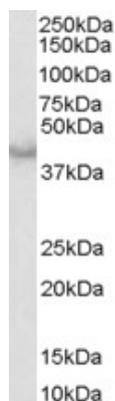
43 kDa

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

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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.