

## Datasheet for ABIN3043696 anti-Caspase 2 antibody (C-Term)

1 Image

27 Publications



## Overview

Quantity:	100 µg
Target:	Caspase 2 (CASP2)
Binding Specificity:	AA 417-439, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 2 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Caspase-2(CASP2) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-2(417- 439aa REGYAPGTEFHRCKEMSEYCSTL), identical to the related rat and mouse sequences.
Sequence:	REGYAPGTEF HRCKEMSEYC STL
lsotype:	lgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse
	No cross reactivity with other proteins.
	Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence
	similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Caspase-2(CASP2) detection. Tested with WB in

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	Human,Mouse,Rat.
	Gene Name: caspase 2, apoptosis-related cysteine peptidase
	Protein Name: Caspase-2(CASP-2)
Purification:	Immunogen affinity purified.
Target Details	
Target:	Caspase 2 (CASP2)
Alternative Name:	CASP2 (CASP2 Products)
Background:	Caspase-2, which is involved in stress-induced apoptosis, is recruited into a large protein
	complex, the molecular composition of which remains elusive. activation of caspase-2 occurs
	in a complex that contains the death domain-containing protein PIDD, whose expression is
	induced by p53, and the adaptor protein RAIDD. Increased PIDD expression resulted in
	spontaneous activation of caspase-2 and sensitization to apoptosis by genotoxic stimuli.
	Caspase-2 acts both as a positive and negative cell death effector, depending upon cell lineage
	and stage of development.
	Synonyms: Apoptosis related cysteine peptidase antibody CASP 2 antibody Casp 2L Pro
	antibody CASP-2 antibody CASP2 antibody CASP2_HUMAN antibody Caspase 2 apoptosis
	related cysteine protease antibody Caspase-2 subunit p12 antibody Caspase2
	antibody Developmentally down regulated 2 antibody ICH 1 antibody ICH 1 protease
	antibody ICH 1L antibody ICH 1L/1S antibody ICH1 antibody ICH1 protease antibody ICH1L
	antibody ICH1L/1S antibody NEDD 2 antibody NEDD-2 antibody NEDD2 antibody NEDD2
	apoptosis regulatory gene antibody Neural precursor cell expressed antibody Neural precursor
	cell expressed developmentally down regulated 2 antibody Neural precursor cell expressed
	developmentally down-regulated protein 2 antibody Protease ICH-1 antibody
JniProt:	P42575
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Neurotrophin Signaling Pathway
Application Details	
Application Notes:	
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to b
Application Notes:	

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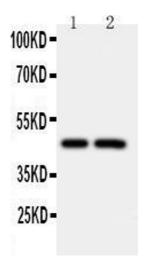
Application Details	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Publications	
Product cited in:	Kan, Zhou, Jin, Yang: "Effects of PDTC on NF-?B expression and apoptosis in rats with severe acute pancreatitis-associated lung injury." in: <b>International journal of clinical and experimenta medicine</b> , Vol. 8, Issue 3, pp. 3258-70, (2015) (PubMed).
	Xu, Liu, Zhang, Wang, Wang, Yang, Huo, Sun: "Apoptosis-related protein expression in rabbits with blast brain injury following early hyperbaric oxygen therapy." in: <b>Neural regeneration research</b> , Vol. 7, Issue 17, pp. 1318-24, (2015) (PubMed).
	Ding, Wang, Zhao, Sun, Zhai: "Protective Effects of Baicalin on A?????-Induced Learning and Memory Deficit, Oxidative Stress, and Apoptosis in Rat." in: <b>Cellular and molecular</b> <b>neurobiology</b> , Vol. 35, Issue 5, pp. 623-32, (2015) (PubMed).
	Yang, Li, Liu, Shi, Zhang: "Inhibitory effect of tetramethylpyrazine preconditioning on overload antibodies-online.com   www.antikoerper-online.de   www.anticorps-enligne.fr   www.antibodies-online.cn

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Li, Wang, Wang: "Radioprotective activity of neutral polysaccharides isolated from the fruiting bodies of Hohenbuehelia serotina." in: **Physica medica : PM : an international journal devoted to the applications of physics to medicine and biology : official journal of the Italian Association of Biomedical Physics (AIFB)**, Vol. 31, Issue 4, pp. 352-9, (2015) (PubMed).

There are more publications referencing this product on: Product page

## Images



Western Blotting	
Image 1. Anti-Caspase-2 antibody, Western blotting Lane 1:	
CEM Cell Lysate Lane 2: SMMC Cell Lysate	