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# Datasheet for ABIN6260481 anti-Caspase 3 antibody (Internal Region)

6 Images
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7 Publications



## Overview

Quantity:	100 µL			
Target:	Caspase 3 (CASP3)			
Binding Specificity:	Internal Region			
Reactivity:	Human, Mouse, Rat, Cow			
Host:	Rabbit			
Clonality:	Polyclonal			
Conjugate:	This Caspase 3 antibody is un-conjugated			
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)			

## Product Details

Immunogen:	A synthesized peptide derived from human Caspase 3, corresponding to a region within the internal amino acids.
Isotype:	lgG
Specificity:	Caspase 3 Antibody detects endogenous levels of total Caspase 3.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:

Caspase 3 (CASP3)

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Target Details	
Alternative Name:	CASP3 (CASP3 Products)
Background:	Description: Involved in the activation cascade of caspases responsible for apoptosis execution. At the onset of apoptosis it proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-I-Gly-217' bond. Cleaves and activates sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Cleaves and activates caspase-6, -7 and -9. Involved in the cleavage of huntingtin. Triggers cell adhesion in sympathetic neurons through RET cleavage. Gene: CASP3
Molecular Weight:	37kDa
Gene ID:	836
UniProt:	P42574
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Sensory Perception of Sound, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Activated T Cell Proliferation

## Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

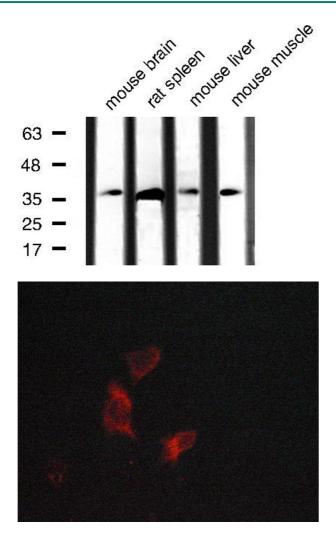
Format:	Liquid			
Concentration:	1 mg/mL			
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.			
Preservative:	Sodium azide			
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.			
Storage:	-20 °C			
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.			
Expiry Date:	12 months			

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Wang, Ge, Zhang, Chen, Hu, Li, Ye: "Targeted p53 activation by saRNA suppresses human bladder cancer cells growth and metastasis." in: **Journal of experimental & clinical cancer research : CR**, Vol. 35, pp. 53, (2016) (PubMed).

There are more publications referencing this product on: Product page

#### Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of various tissue sample, using Caspase 3 Antibody .

#### Immunofluorescence (fixed cells)

**Image 2.** ABIN6269253 staining lovo cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.

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kDa	1	2	
250-			
150-			
100-			
75—			
50—			
37—			-
25-			
20-			
15-			

#### Western Blotting

**Image 3.** Western blot analysis of Caspase 3 expression in Etoposide treated NIH-3T3 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

Please check the product details page for more images. Overall 6 images are available for ABIN6260481.