.-online.com antibodies

## Datasheet for ABIN391813 anti-Caspase 3 antibody (AA 60-90)

5 Images

5 Publications



### Overview

Quantity:	400 µL
Target:	Caspase 3 (CASP3)
Binding Specificity:	AA 60-90
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)
Product Details	
Immunogen:	This Caspase-3 (CASP3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-90 amino acids from the Central region of human Caspase-3 (CASP3).
Clone:	RB14696
lsotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Tarrat Dataila	

## Target Details

Target:

Caspase 3 (CASP3)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN391813 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	Caspase-3 (CASP3) (CASP3 Products)
Background:	CASP3 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease.
Molecular Weight:	31608
Gene ID:	836
NCBI Accession:	NP_004337, NP_116786
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: 1:2000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50
Restrictions:	For Research Use only

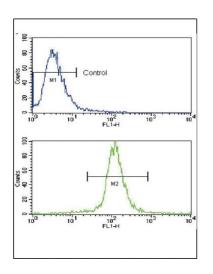
# Handling

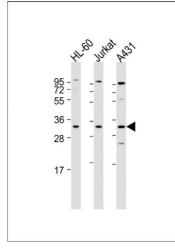
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

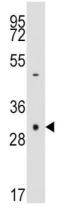
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN391813 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Product cited in:

Bolomini-Vittori, Montresor, Giagulli, Staunton, Rossi, Martinello, Constantin, Laudanna: " Regulation of conformer-specific activation of the integrin LFA-1 by a chemokine-triggered Rho signaling module." in: **Nature immunology**, Vol. 10, Issue 2, pp. 185-94, (2009) (PubMed).

### Images







### **Flow Cytometry**

**Image 1.** Flow cytometric analysis of NCI- cells using Caspase-3 (CASP3) Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITCconjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** All lanes : Anti-CASP3 Antibody (Center) at 1:2000 dilution Lane 1: HL-60 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: A431 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 32 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### **Western Blotting**

**Image 3.** Western blot analysis of anti-CASP3 Pab (ABIN391813 and ABIN2841662) in NCI- cell line lysates (35 µg/lane).CASP3 (arrow) was detected using the purified Pab.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN391813 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Please check the product details page for more images. Overall 5 images are available for ABIN391813.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN391813 | 09/12/2023 | Copyright antibodies-online. All rights reserved.