

Caspase-3 Polyclonal Antibody

Catalog No: #41613

Package Size: #41613-1 50ul #41613-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Caspase-3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB;ELISA;IHC;IF
Species Reactivity	Human;Mouse;Rat
Specificity	Caspase-3 Polyclonal Antibody detects endogenous levels of Caspase-3 protein.
Immunogen Description	Synthesized peptide derived from the Internal region of human Caspase-3.
Conjugates	Unconjugated
Target Name	Caspase-3
Other Names	CASP3; CPP32; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1
Accession No.	Swiss-Prot: P42574NCBI Gene ID: 836
Calculated MW	32 kDa
SDS-PAGE MW	35 kDa
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000.

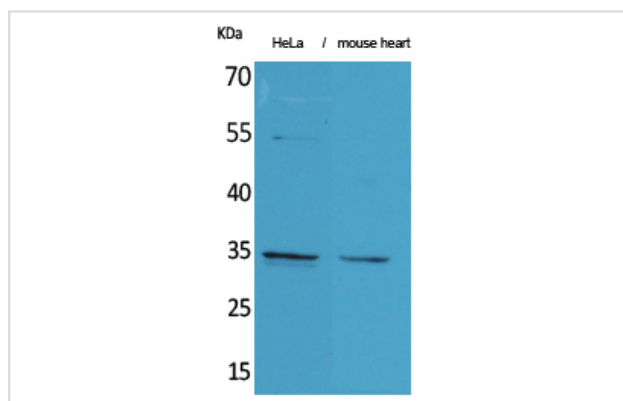
IHC-p: 1:100-300

IF 1:100-300

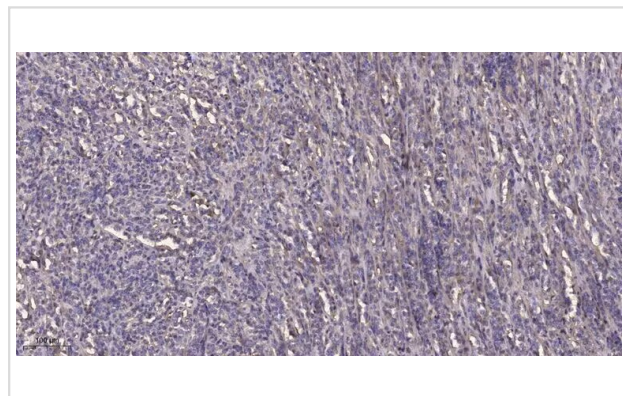
ELISA: 1/20000.

Not yet tested in other applications.

Images



Western Blot analysis of HeLa mouse heart cells using Caspase-3 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human Colon cancer.

Published Papers

el at., Melatonin ameliorates A β 1 42 induced Alzheimer's cognitive deficits in mouse model. In J Pharm Pharmacol. On 2018 Jan by Gong YH, Hua N et al..PMID: 28994117 , , (2018)

[PMID:28994117](#)

el at., Quercetin induces apoptosis via the mitochondrial pathway in KB and KBv200 cells. In J Agric Food Chem on 2013 Mar 6 by Zhang JY, Yi T, et al..PMID:23410218, , (2013)

[PMID:23410218](#)

el at., Targeting p53 via JNK pathway: a novel role of RITA for apoptotic signaling in multiple myeloma. In PLoS One on 2012 by Manujendra N Saha, Hua Jiang, et al..PMID: 22276160, , (2012)

[PMID:22276160](#)

el at., Apoptosis sensitization by Euphorbia factor L1 in ABCB1-mediated multidrug resistant K562/ADR cells. In Molecules on 2013 Oct 16 by Tao Yi, Yi-Na Tang, et al..PMID: 24135937, , (2013)

[PMID:24135937](#)

el at., Apicidin Inhibited Proliferation and Invasion and Induced Apoptosis via Mitochondrial Pathway in Non-small Cell Lung Cancer GLC-82 Cells. Anticancer Agents Med Chem on 2017 by Jianye Zhang, Zhenzhu Lai, et al..PMID: 28425856, , (2017)

[PMID:28425856](#)

el at., Combined Bortezomib-Based Chemotherapy and p53 Gene Therapy Using Hollow Mesoporous Silica Nanospheres for p53 Mutant Non-Small Cell Lung Cancer Treatment. In Biomater Sci on 2016 Dec 20 by Chun Li, Junqing Hu, et al..PMID: 27822577, , (2017)

[PMID:27822577](#)

el at., The use of hollow mesoporous silica nanospheres to encapsulate bortezomib and improve efficacy for non-small cell lung cancer therapy. In Biomaterials. On 2014 Jan by Shen J, Song G et al..PMID:24125776, , (2014)

[PMID:24125776](#)

et al., Suppression of chronic lymphocytic leukemia progression by CXCR4 inhibitor WZ811. In Am J Transl Res. On 2016 Sep 15 by SH Li, WC Dong et al..PMID:27725861, , (2016)

[PMID:27725861](#)

et al., miR-137 and miR-197 induce apoptosis and suppress tumorigenicity by targeting MCL-1 in multiple myeloma. In Clin Cancer Res on 2015 May 15 by Yijun Yang, Fei Li et al..PMID:25724519, , (2015)

[PMID:25724519](#)

et al., D5 receptor agonist 027075 promotes cognitive function recovery and neurogenesis in a A β Y1-42-induced mouse model. In Neuropharmacology on 2016 Jun by Ling Shen, Ming Yan et al..PMID: 26773200, , (2016)

[PMID:26773200](#)

et al., Harmine Hydrochloride Triggers G2 Phase Arrest and Apoptosis in MGC1-703 Cells and SMMC1-721 Cells by Upregulating p21, Activating Caspase1-3/Bid, and Downregulating ERK/Bad Pathway. In Phytother Res on 2016 Jan by Peng Zhang, Chun-Rong Huang et al..PMID: 26549417, , (2016)

[PMID:26549417](#)

Hanyu Chen;Qianbei Lin;Yanlin Zeng;Pinliang Chen;Pengpeng Guo;Ruoshui Feng;Zhenyu Guo;Jinhua Kang;Qiucen Chen;Xiaoxiong Zhou et al., Xinyin tablets affect mitophagy and cardiomyocyte apoptosis to alleviate chronic heart failure by regulating histone deacetylase 3(HDAC3)-mediated PTEN induced putative kinase 1(PINK1)/Parkin signaling pathway., , (2025)

[PMID:40122315](#)

et al., Bruceine D induces apoptosis in human chronic myeloid leukemia K562 cells via mitochondrial pathway. In Am J Cancer Res on 2016 Mar 15 by Jian-Ye Zhang, Min-Ting Lin et al..PMID: 27186433, , (2016)

[PMID:27186433](#)

et al., The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice. In FASEB J on 2010 Jun by Toribio RE, Brown HA,et al..PMID:20145205, , (2010)

[PMID:20145205](#)

et al., Baicalin induces cellular senescence in human colon cancer cells via upregulation of DEPP and the activation of Ras/Raf/MEK/ERK signaling. In Cell Death Dis. On 2018 Feb 13 by Wang Z, Ma L et al..PMID:29440765, , (2018)

[PMID:29440765](#)

et al., Pyk2/MCU Pathway as a New Target for Reversing Atherosclerosis. In Front Cell Dev Biol on 2021 May 6 by Yingzhen Zhang, Xiaoli Yang,et al..PMID:34026753, , (2021)

[PMID:34026753](#)

et al., Danggui Buxue Decoction in the Treatment of Metastatic Colon Cancer: Network Pharmacology Analysis and Experimental Validation. In Drug Des Devel Ther on 2021 Feb 24 by Shi-Han Feng, Bin Zhao,et al..PMID:33658761, , (2021)

[PMID:33658761](#)

et al., Amlexanox Enhances Temozolomide-Induced Antitumor Effects in Human Glioblastoma Cells by Inhibiting IKBKE and the Akt-mTOR Signaling Pathway. In ACS Omega on 2021 Feb 5 by Jinbiao Xiong, Gaochao Guo, et al..PMID:33644550, , (2020)

[PMID:33644550](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.