Datasheet for ABIN1386778

anti-Caspase 8 antibody (AA 188-280)

5 Images | 4 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	Caspase 8 (CASP8)
Binding Specificity:	AA 188-280
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Caspase-8 subunit p18
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Caspase 8 (CASP8)

 Copyright antibodies-online. All rights reserved.

Target Details

Alternative Name:	Caspase-8 (CASP8 Products)
Background:	Synonyms: CAP4, MACH, MCH5, FLICE, ALPS2B, Casp-8, Caspase-8, Apoptotic cysteine protease, Apoptotic protease Mch-5, FADD-homologous ICE/ced-3-like protease, FADD-like ICE, ICE-like apoptotic protease 5, MORT1-associated ced-3 homolog, CASP8 Background: Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-I-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.
Gene ID:	841
UniProt:	Q14790
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, TLR Signaling, Activation of Innate immune Response, Tube Formation, Positive Regulation of Endopeptidase Activity, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

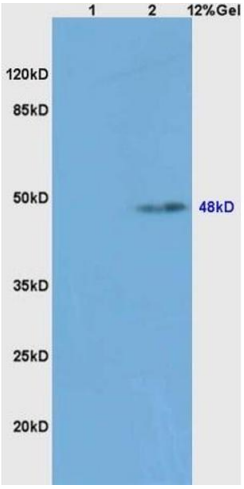
Product cited in:

Shan, Fan: "Cytotoxicity of carteolol to human corneal epithelial cells by inducing apoptosis via triggering the Bcl-2 family protein-mediated mitochondrial pro-apoptotic pathway." in: **Toxicology in vitro : an international journal published in association with BIBRA**, Vol. 35, pp. 36-42, (2016) (PubMed).

Zhao, Qiu, Tian, Fan: "The cytotoxic and pro-apoptotic effects of phenylephrine on corneal stromal cells via a mitochondrion-dependent pathway both in vitro and in vivo." in: **Experimental and toxicologic pathology : official journal of the Gesellschaft für Toxikologische Pathologie**, Vol. 68, Issue 7, pp. 409-17, (2016) (PubMed).

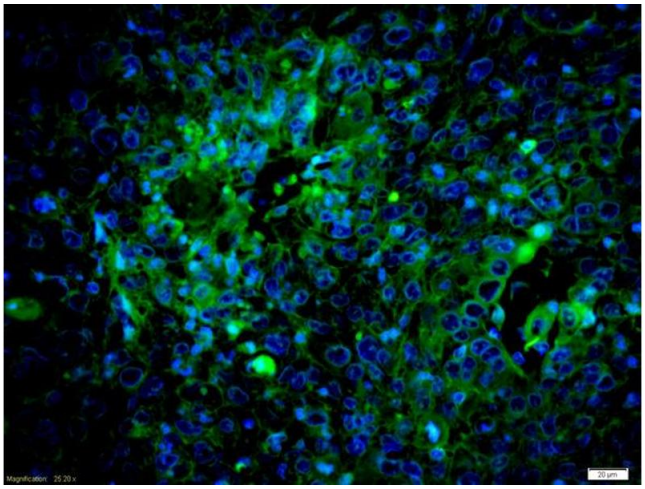
Bozok Cetintas, Acikgoz, Yigitturk, Demir, Oktem, Tezcanli Kaymaz, Oltulu, Aktug: "Effects of flavopiridol on critical regulation pathways of CD133high/CD44high lung cancer stem cells." in: **Medicine**, Vol. 95, Issue 43, pp. e5150, (2016) (PubMed).

Meneses, Morales, Abrigo, Simon, Brandan, Cabello-Verrugio: "The angiotensin-(1-7)/Mas axis reduces myonuclear apoptosis during recovery from angiotensin II-induced skeletal muscle atrophy in mice." in: **Pflügers Archiv : European journal of physiology**, (2014) (PubMed).



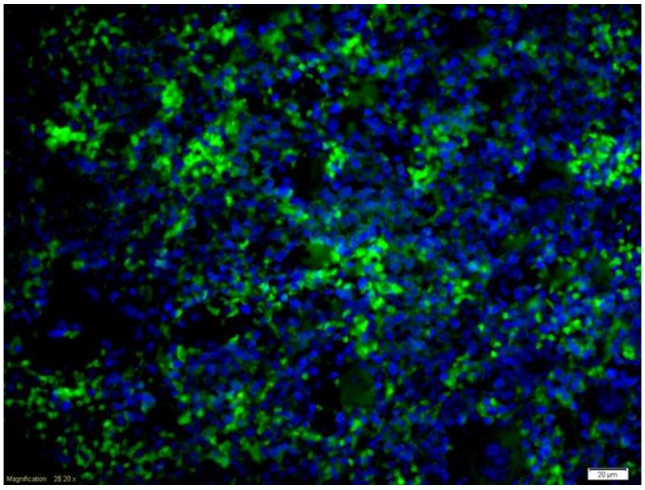
SDS-PAGE

Image 1. Lane 1: mouse spleen lysates Lane 2: mouse liver lysates probed with Anti caspase-8 subunit p18 Polyclonal Antibody, Unconjugated (ABIN1386778) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 18kD,48kD. Observed band size: 48kD.



Immunofluorescence

Image 2. Formalin-fixed and paraffin embedded human laryngocarcinoma labeled with Anti-caspase-8 subunit p18 Polyclonal Antibody, Unconjugated (ABIN1386778) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, AF488 conjugated used at 1:200 dilution for 40 minutes at 37°C and DAPI staining



Immunofluorescence

Image 3. Formalin-fixed and paraffin embedded mouse spleen labeled with Anti-caspase-8 subunit p18 Polyclonal Antibody, Unconjugated (ABIN1386778) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, AF488 conjugated used at 1:200 dilution for 40 minutes at 37°C and DAPI staining

Please check the product details page for more images. Overall 5 images are available for ABIN1386778.

Copyright antibodies-online. All rights reserved.