Caspase-4 monoclonal antibody (4B9)

The caspases are a family of cysteine proteases that cleave after certain aspartate residues, and are primarily recognized as mediators of apoptosis. caspases are synthesized as inactive zymogens that can be cleaved to form active enzymes following the induction of apoptosis by stress or death receptors. Initiator caspases (e.g. caspase-8 and -10) are activated by dimerization of the zymogen on a dedicated adaptor protein. These activated initiator caspases in-turn cleave downstream effector or executioner caspases (e.g. caspase-3, -6, and -7) in a cascade-like manner, which cleave key cellular proteins that lead to the morphological changes associated with apoptotic cell death.

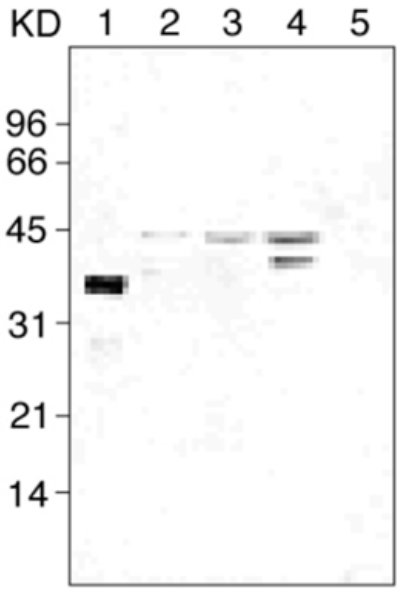
This antibody is covered by our Worry-Free Guarantee.

Citations: 9 View Online »

Ordering Information Order Online »

ADI-AAM-114-E	100µg

Manuals, SDS & CofA View Online »



Western blot analysis of caspase-4 probed with Caspase-4, mAb (4B9). Lane 1: TXp20 (recombinant); Lane 2: U937 cell extract; Lane 3: HL60 cell extract; Lane 4: HUC-Fm cell extract; Lane 5: PC12 cell extract.

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Application	WB
Application Notes	Detects a band of ~45kDa by Western blot.
Clone	4B9
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol.
GenBank ID	HSU28014
Host	Mouse
Immunogen	Recombinant human caspase-4 (N-terminal fragment).
Isotype	IgG1
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Western Blot (1:1,000, ECL)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
UniProt ID	P49662
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

Last Modified: May 29, 2024

ENZO LIFE SCIENCES, Inc.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.