

Purified anti-Caspase-9

Catalog # / Size: 621901 / 25 µg
621902 / 100 µg

Clone: 96-2-22

Isotype: Mouse IgG1, κ

Immunogen: N-terminal fragment of human caspase-9

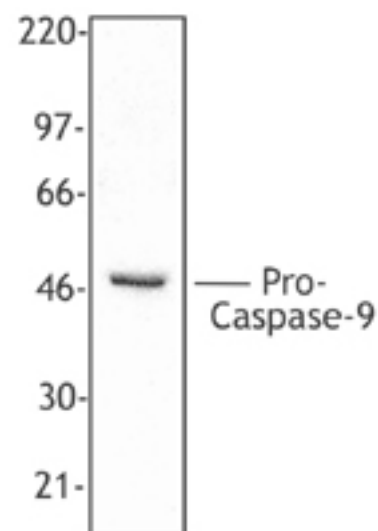
Reactivity: Human, recognizes 47 kD pro-caspase-9 and 37 kD cleaved caspase-9

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store at 4°C.



A431 cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-caspase 9 antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB- *Quality tested*
IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting, suggested working dilution(s): Use 5 µg antibody per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Frese S, *et al.* 2006. *Cancer Res.* 66:5867. PubMed

Description: Caspase 9 (also known as ICE-like apoptotic protease 6 (ICE-LAP6), apoptotic protease Mch-6, and apoptotic protease activating factor 3 (Apaf-3)) is a member of the peptidase family C14 that contains a CARD domain. This caspase is active as a heterotetramer and has been reported to have two isoforms. Pro-Caspase 9 has been reported to be approximately 47 kD. This caspase is present in the cytosol and, upon activation, translocates to the mitochondria. Caspase 9 is involved in the caspase activation cascade responsible for apoptosis execution and cleaves/activates Caspase 3 and Caspase 6. Caspase 9 is inhibited by the dominant negative isoform, Bcl-X_L, c-IAP1, c-IAP2, XIAP, and Livin. This caspase becomes activated when recruited to Apaf-1/cytochrome c complex, and following cleavage by Apaf-1, granzyme B, Caspase 3, possibly Caspase 8 and Caspase 10 into large p37 and small p10 subunits. Caspase 9 interacts with BIRC7 and has been shown to cleave PARP and vimentin. The 96-2-22 monoclonal antibody has been shown to be useful for Western blotting of human caspase 9 (46 kD pro-caspase 9 as well as the 34 kD cleaved caspase 9).

Antigen References: 1. Srinivasula S, *et al.* 1996. *J. Biol. Chem.* 271:27099.
2. Hu Y, *et al.* 1998. *P. Natl. Acad. Sci. USA* 95:4386.
3. Sitailo L, *et al.* 2002. *J. Biol. Chem.* 277:19346.
4. Potokar M, *et al.* 2003. *FEBS Lett.* 544:153.

Related Products: Product

HRP Goat anti-mouse IgG (minimal x-reactivity)
Purified anti-Caspase-14
Purified anti-Cytochrome c
Purified anti-Caspase-3
Purified anti-PARP
Purified anti-Cytochrome c
Purified anti-Cytochrome c
Purified anti-Caspase-8
Purified anti-Caspase-6
Purified anti-Caspase-7

Clone

Poly4053
14-1-71
2.7D5
4-1-18
5A5
6H2.B4
7H8.2C12
4-1-20
Mono6217
Mono6218

Application

ELISA, IHC, WB
WB
FC
WB
IF, WB
IP, ICFC, IF, ICC
WB
WB
WB
WB



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