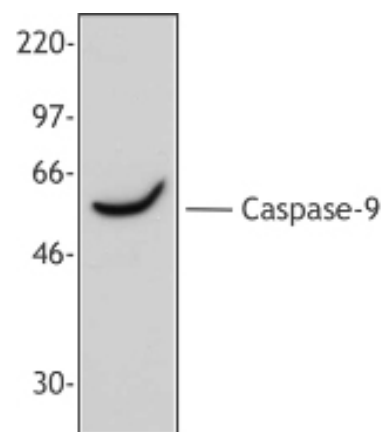


Product Data Sheet

Purified anti-Caspase-9

Catalog # / Size: 634201 / 50 µl (5 Western blots)
Clone: Poly6342
Isotype: Rabbit Polyclonal
Immunogen: peptide mapping to an internal domain within the p10 subunit of human caspase-9
Reactivity: Human, Mouse, Rat
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 and 0.2% gelatin.
Storage: The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.



Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Western blot analysis of extracts from HeLa cells, using anti-Caspase-9, Poly6342.

Description: Caspase-9 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-XL, 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 Poly6342 antibody has been shown to be useful for western blotting of human, mouse and rat caspase-9 (p10) and caspase-9 precursor.

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 Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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