

ApopTrol Research Products, 2661 Commons Blvd. Beavercreek, Ohio 45431 USA
http://www.apoptrol.com
Phone: 937-427-4015 Email: customerservice@apoptrol.com



Caspase 9 Apoptosis Extract

Product Number	Amount/Size	Price
#E0009	10 Western Blots	\$90/set

Description

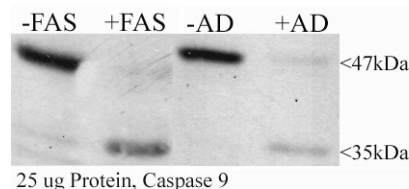
Total cell lysates isolated from Jurkat human T cells were treated with vehicle (-), anti-Fas, or Actinomycin D and lysed in CHAPS Cell extract buffer (#B0001). These treatments induce the apoptotic activation of procaspase-9 to the cleaved and active form of caspase 9 and serve as molecular weight controls for Western blot analysis.

Applications

10ul/well Western Blot; boil lysates 5 minutes prior to loading. Load 10ul of control and activated lysates per lane

Background

Caspase-9 (MCH6, APAF3, ICE-LAP6) is a critical initiator caspase of the apoptotic pathway, which is activated after the triggered mitochondria releases cytochrome c. Caspase-9 is activated by cleaving the ~47kDa inactive zymogen into 35kDa and 17kDa active subunits and occurs following aspartate residues (1, 2).



Storage Conditions: Store at -20°C. avoid repeated freeze/thaw cycles.

References

1. Caserta TM, Smith AN, Gultice AD, Reedy MA, and Brown TL. 2003. Q-VD-OPh, a broad spectrum caspase inhibitor with potent antiapoptotic properties. *Apoptosis* 8, 345-352
2. Zou H, Li Y, Liu X, and Wang X. An APAF-1-Cytochrome c Multimeric Complex Is a Functional Apoptosome That Activates Procaspase-9 .1999. *J Biol Chem* 274, 11549-11556

Companion Products

Caspase 3 Apoptosis Extracts (#E0003)
Caspase 8 Apoptosis Extracts (#E0008)
PARP Apoptosis Extracts (#S0001)
XIAP Apoptosis Extracts (#S0002)
BID Apoptosis Extracts (#S0003)
CHAPS Cell Extract Buffer (#B0001)

For research purposes only. Not for use in humans.