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Caspase 8 Apoptosis Extract

Product Number	Amount/Size	Price
#E0008	10 Western Blots	\$90/set

Description

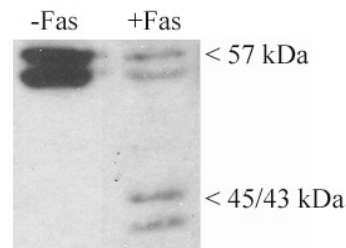
Total cell lysates isolated from Jurkat human T cells were treated with vehicle (-), anti-Fas antibody and lysed in CHAPS Cell extract buffer (#B0001). These treatments induce the apoptotic activation of procaspase-8 to the cleaved and active form of caspase 8 and serve as molecular weight controls for 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-8 is the initiator caspase of the apoptotic pathway, which is activated through the receptor mediated (Fas-ligand) pathway (1,2). Caspase-8 is activated by cleaving the 57kDa inactive zymogen into 43/45kDa and 18kDa active units. Upon activation caspase-8 cleaves effector caspase, caspase 3, as well as the substrate BID.



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. Medema JP, Scaffidi C, Kischkel FC, Shevchenko A, Mann M, Krammer PH, Peter ME. 1997. *EMBO J.* 16:2794-804. FLICE (Caspase 8) is activated by association with the CD95 death-inducing signaling complex (DISC).

Companion Products

Caspase 3 Apoptosis Extracts (#E0003)
Caspase 9 Apoptosis Extracts (#E0009)
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.