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BID Apoptosis Extract

Product Number	Amount/Size	Price
#S0003	10 Western Blots	\$90/set

Description

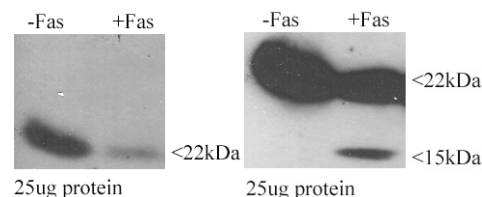
Total cell lysates isolated from Jurkat human T cells were treated with vehicle (-) or anti-Fas antibody (+) and lysed in CHAPS Cell extract buffer (#B0001). These treatments induce the apoptotic activation of BID to the cleaved and active form of t-BID and serve as molecular weight controls for Western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

Applications

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

Background

BID (22kDa) is an antagonist of the apoptotic pathway that is directly activated by caspase 8. After caspase 8 activation, the proform is lost [left panel] and the cleaved & activated/truncated Bid (tBid) (15kDa) is generated [right panel].



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. Li H, Zhu H, Xu CJ, Yuan J. 1998 Cleavage of BID by caspase 8 mediates the mitochondrial damage in the Fas pathway of apoptosis. *Cell* 94:491-501.
3. X. Luo, I. Budihardjo, H. Zou, C. Slaughter and X. Wang. 1998 Bid, a Bcl2 Interacting Protein, Mediates Cytochrome c Release from Mitochondria in Response to Activation of Cell Surface Death Receptors. *Cell* 94:481-490

Companion Products

Caspase 3 Apoptosis Extracts (#E0003)
Caspase 8 Apoptosis Extracts (#E0008)
Caspase 9 Apoptosis Extracts (#E0009)
PARP Apoptosis Extracts (#S0001)
XIAP Apoptosis Extracts (#S0002)
CHAPS Cell Extract Buffer (#B0001)

For research purposes only. Not for use in humans.