

XIAP Apoptosis Extract

Product Number	Amount/Size	Price
#S0002	10 Western Blots	\$90/set

Description

Jurkat human T cells, treated with anti-Fas, were lysed in CHAPS Cell extract buffer (B0001). The treatment activates the apoptotic cascade triggered by caspase-8 and this induces proteolytic cleavage of a number of proteins that are involved in apoptosis. The treated Jurkat cell lysates are used as a molecular weight control when performing western blots on different proteins involved with apoptosis.

Applications

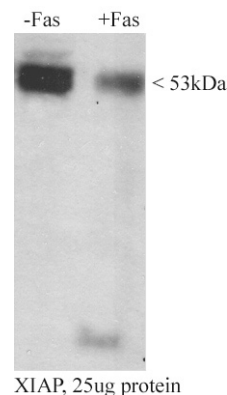
10ul/well Western Blot; boil lysates 5 minutes prior to loading. Load 10ul of control and activated lysates per lane

Background

X-linked Inhibitor of Apoptosis Protein (XIAP) binds to the initiator caspase 9 preventing activation of the intrinsic pathway. During Fas-ligand (receptor mediated) apoptosis, activated caspase 8 cleaves XIAP.

Storage Conditions

Store at -20°C. avoid repeated freeze/thaw cycle.



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. Deveraux QL, Leo E, Stennicke HR, Welsh K, Salvesen GS, Reed JC. Cleavage of human inhibitor of apoptosis protein XIAP results in fragments with distinct specificities for caspases. EMBO J. 1999 Oct 1;18(19):5242-51.

Companion Products

Caspase 3 Apoptosis Extracts (#E0003)
Caspase 8 Apoptosis Extracts (#E0008)
Caspase 9 Apoptosis Extracts (#E0009)
PARP Apoptosis Extracts (#S0001)
BID Apoptosis Extracts (#S0003)
CHAPS Cell Extract Buffer (#B0001)

For research purposes only. Not for use in humans.