

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse XIAP in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) cIAP-1 or rhcIAP-2 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 117320
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human XIAP Met1-Ser497 Accession # P98170
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

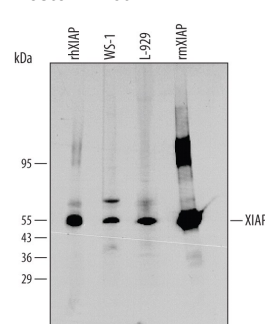
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below
Knockout Validated	XIAP is specifically detected in HeLa human cervical epithelial carcinoma parental cell line but is not detectable in XIAP knockout HeLa cell line.	

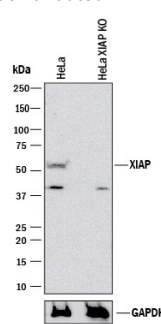
DATA

Western Blot



Detection of Human/Mouse XIAP by Western Blot. Western blot shows lysates of WS-1 human fetal skin fibroblast cell line and L-929 mouse fibrosarcoma cell line. PVDF membrane was probed with 2 µg/mL Mouse Anti-Human/Mouse XIAP Monoclonal Antibody (Catalog # MAB822) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). For additional reference, Recombinant Human XIAP Full Length (Catalog # 822-XF) and recombinant mouse XIAP (5 ng/lane) were included. A specific band for XIAP was detected at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 6.

Knockout Validated



Western Blot Shows Human XIAP Specificity by Using Knockout Cell Line. Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and XIAP knockout HeLa cell line (KO). PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human/Mouse XIAP Monoclonal Antibody (Catalog # MAB822) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for XIAP at approximately 52 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. GAPDH (Catalog # MAB5718) is shown as a loading control. This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

XIAP (X-chromosome linked inhibitor of apoptosis) is a member of the apoptosis (IAP) family of proteins that inhibit caspases. The BIR2 domain of XIAP inhibits Caspase-3 and Caspase-7. The ability of XIAP to inhibit caspases is prevented by SMAC/Diablo through binding to XIAP-BIR2 and -BIR3 domains.