

Recombinant human XIAP protein ab95933

画像数 3

製品の詳細

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|-------------|---|
| 製品名 | Recombinant human XIAP protein |
| 生理活性 | Specific Activity: 0.0015 pmol/min/μg Assay conditions: 4 mM ATP, 5mM MgCl ₂ (both required for reaction), 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotinylated Ubiquitin (1 μg) in 50mM Tris pH 7.4. Specific Activity: 0.0015 pmol/min/μg Assay conditions: 4 mM ATP, 5mM MgCl ₂ (both required for reaction), 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotinylated Ubiquitin (1 μg) in 50mM Tris pH 7.4. |
| 精製度 | > 65 % SDS-PAGE. Affinity purified. |
| 発現系 | Baculovirus infected insect cells |
| アクセッション番号 | P98170 |
| タンパク質長 | Full length protein |
| Animal free | No |
| 由来 | Recombinant |
| 生物種 | Human |
| 予測される分子量 | 57 kDa including tags |
| 領域 | 2 to 497 |
| タグ | DDDDK tag N-Terminus |

特性

Our **Abpromise guarantee** covers the use of **ab95933** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| アプリケーション | Functional Studies SDS-PAGE Western blot |
| 製品の状態 | Liquid |

前処理および保存

保存方法および安定性 Shipped on Dry Ice. Store at -80°C.

pH: 8.00

Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

104 µg/ml FLAG peptide

This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能

Apoptotic suppressor. Has E3 ubiquitin-protein ligase activity. Mediates the proteasomal degradation of target proteins, such as caspase-3, SMAC or AIFM1. Inhibitor of caspase-3, -7 and -9. Mediates activation of MAP3K7/TAK1, leading to the activation of NF-kappa-B.

組織特異性

Ubiquitous, except peripheral blood leukocytes.

関連疾患

Defects in XIAP are the cause of lymphoproliferative syndrome X-linked type 2 (XLP2) [MIM:300635]. XLP is a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus (EBV). Symptoms include severe or fatal mononucleosis, acquired hypogammaglobulinemia, pancytopenia and malignant lymphoma.

配列類似性

Belongs to the IAP family.

Contains 3 BIR repeats.

Contains 1 RING-type zinc finger.

ドメイン

The first BIR domain is involved in interaction with TAB1/MAP3K7IP1 and is important for dimerization. The second BIR domain is sufficient to inhibit caspase-3 and caspase-7, while the third BIR is involved in caspase-9 inhibition. The interactions with SMAC and PRSS25 are mediated by the second and third BIR domains.

翻訳後修飾

Ubiquitinated and degraded by the proteasome in apoptotic cells.

Phosphorylation by PKB/AKT protects XIAP against ubiquitination and protects the protein against proteasomal degradation.

細胞内局在

Cytoplasm.

画像

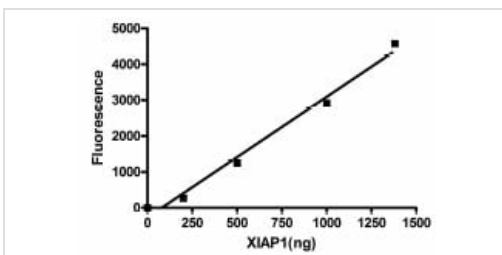
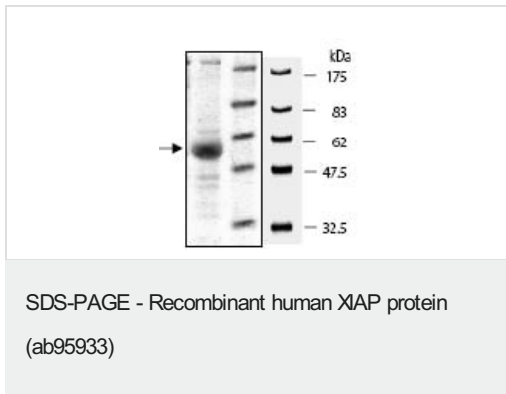
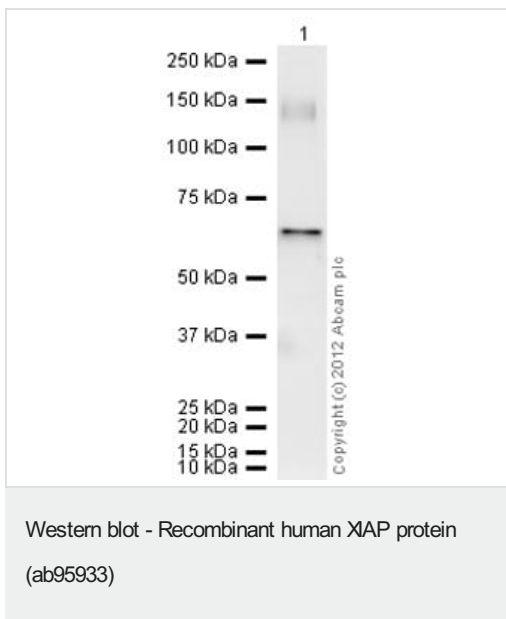


Image showing specific activity of ab95933.

Functional Studies - Recombinant human XIAP protein (ab95933)



SDS-PAGE showing ab95933 at approximately 57kDa (5µg).



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