

Recombinant human XIAP protein ab95933

3 图像

描述

产品名称	重组人XIAP蛋白
生物活性	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.
纯度	> 65 % SDS-PAGE. Affinity purified.
表达系统	Baculovirus infected insect cells
Accession	<u>P98170</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	57 kDa including tags
氨基酸	2 to 497
标签	DDDDK tag N-Terminus

技术指标

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.

应用	Functional Studies
	SDS-PAGE
	Western blot
形式	Liquid

制备和贮存

稳定性和存储	Shipped on Dry Ice. Store at -80°C.
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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.

常规信息

功能

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.

组织特异性

Ubiquitous, except peripheral blood leukocytes.

疾病相关

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.

序列相似性

Belongs to the IAP family.

Contains 3 BIR repeats.

Contains 1 RING-type zinc finger.

结构域

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.

翻译后修饰

Ubiquitinated and degraded by the proteasome in apoptotic cells.

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

细胞定位

Cytoplasm.

图片

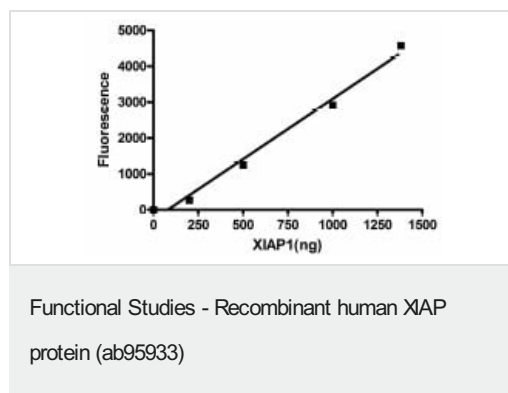
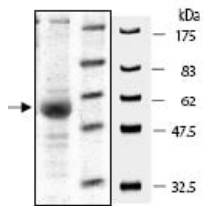
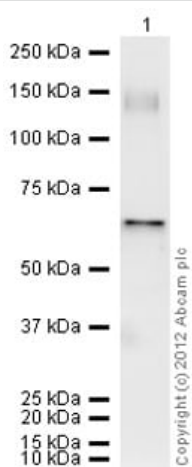


Image showing specific activity of ab95933.



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

SDS-PAGE - Recombinant human XIAP protein
(ab95933)



Western blot - Recombinant human XIAP protein
(ab95933)

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