

## Product datasheet

### Anti-XIAP antibody ab2541

★★★★★ [1 Abreviews](#) [11 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-XIAP antibody
<b>Description</b>	Rabbit polyclonal to XIAP
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody detects the 53 kDa human XIAP protein. It does not cross-react with other apoptosis inhibitors.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to XIAP. Available on request. (Peptide available as <a href="#">ab38275</a> .)
<b>General notes</b>	<p>This product is manufactured by BioVision, an Abcam company and was previously called 3183 XIAP Antibody.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.01% Thimerosal (merthiolate)</p> <p>Constituents: PBS, 30% Glycerol (glycerin, glycerine), 0.5% BSA</p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab2541 in the following tested applications.

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

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).

## Target

### Function

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.

### Tissue specificity

Ubiquitous, except peripheral blood leukocytes.

### Involvement in disease

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.

### Sequence similarities

Belongs to the IAP family.  
Contains 3 BIR repeats.  
Contains 1 RING-type zinc finger.

### Domain

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.

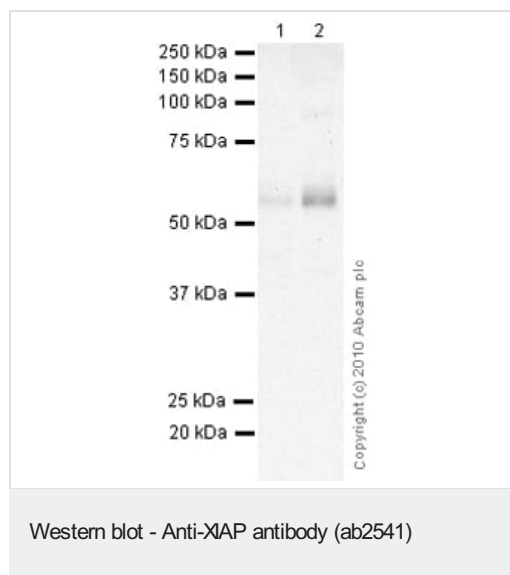
### Post-translational modifications

Ubiquitinated and degraded by the proteasome in apoptotic cells.  
Phosphorylation by PKB/AKT protects XIAP against ubiquitination and protects the protein against proteasomal degradation.

### Cellular localization

Cytoplasm.

## Images



**All lanes :** Anti-XIAP antibody (ab2541) at 1 µg/ml

**Lane 1 :** Human brain tissue lysate - total protein ([ab29466](#))

**Lane 2 :** Human placenta tissue lysate - total protein ([ab29745](#))

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 54 kDa

**Observed band size:** 54 kDa

**Exposure time:** 12 minutes

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors