


## Product datasheet

# Anti-AP2 alpha + beta antibody ab11907

[2 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-AP2 alpha + beta antibody
<b>Description</b>	Rabbit polyclonal to AP2 alpha + beta
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody recognizes both AP2 alpha A (50 kDa) and AP2 alpha B (40 kDa) forms of AP2.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Sheep, Chicken, Xenopus laevis 
<b>Immunogen</b>	Synthetic peptide: GLDPRRDYRRHEDLL , corresponding to amino acids 120-134 of Human AP2 alpha + beta. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	JEG-3 nuclear extract.
<b>General notes</b>	The AP2 transcription factors form the OB2 complex that has been shown to up-regulate c-erbB-2 transcription.

### 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>	Preservative: 0.1% Sodium Azide and 0.01% Thiomerosal. Constituents: PBS containing 0.2% Gelatin.
<b>Purity</b>	Immunogen affinity purified
<b>Primary antibody notes</b>	The AP2 transcription factors form the OB2 complex that has been shown to up-regulate c-erbB-2 transcription.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab11907** 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		1/500 - 1/1000. Detects a band of approximately 40, 50 kDa (predicted molecular weight: a=40, b=50 kDa).

## Target

### Relevance

The AP2 proteins are normally expressed in ectodermally derived vertebrate tissues where they are necessary for normal growth and development. The factors have also been implicated in the control of cell proliferation, viral transformation, and oncogenesis. AP2 seems to play an important role in human breast cancer. AP2 alpha is the only AP2 protein required for early morphogenesis of the lens vesicle. AP2 beta appears to be required for normal face and limb development and for proper terminal differentiation and function of renal tubular epithelia

### Cellular localization

Nuclear

## Images



Western blot - AP2 alpha + beta antibody (ab11907)

Detection of AP2 by Western blot analysis.

Activator protein 2 (AP2) can be detected in nuclear extracts derived from JEG-3 cells using AP2 rabbit polyclonal antibody at a 1/1000 dilution (lane 1). The signal corresponding to nuclear AP2 is eliminated by adding the immunizing peptide to the reaction (lane 2).

Detection of AP2 by Western blot analysis.

Activator protein 2 (AP2) can be detected in nuclear extracts derived from JEG-3 cells using AP2 rabbit polyclonal antibody at a 1/1000 dilution (lane 1). The signal corresponding to nuclear AP2 is eliminated by adding the immunizing peptide to the reaction (lane 2).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## 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 <http://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