

## Product datasheet

# Anti-AIMP3/p18 antibody ab31543

[4 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-AIMP3/p18 antibody
<b>Description</b>	Rabbit polyclonal to AIMP3/p18
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab31543 reacts specifically with 21kDa p18 and immunoprecipitates with ATM/ATR
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Native full length recombinant human p18
<b>Positive control</b>	HEK293 cell, U2OS cell and Hela cell

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium Azide
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab31543** 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		1/8000. Detects a band of approximately 21 kDa (predicted molecular weight: 18 kDa).
IP		Use at an assay dependent dilution.
ICC/IF		Use at an assay dependent dilution.

## Target

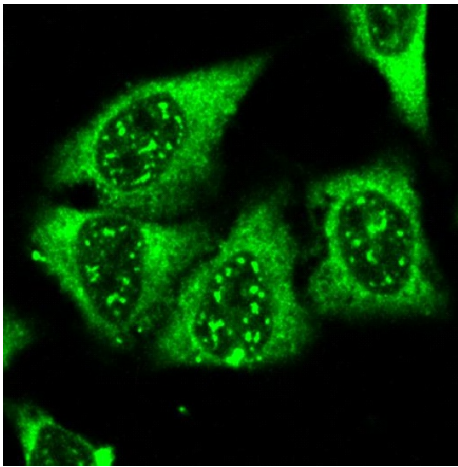
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<b>Function</b>	Positive modulator of ATM response to DNA damage.
<b>Tissue specificity</b>	Down-regulated in various cancer tissues.
<b>Sequence similarities</b>	Contains 1 GST C-terminal domain.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Cytoplasmic under growth arrest conditions. Translocated into the nucleus when growth resumes (S phase) and following DNA damage.

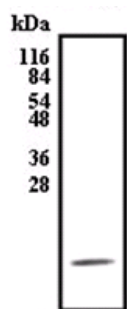
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## Images

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Immunofluorescence - AIMP3/p18 antibody  
(ab31543)

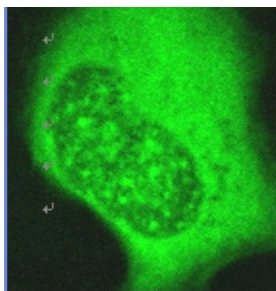


Anti-AIMP3/p18 antibody (ab31543) at  
1/20000 dilution + HEK293 cell line

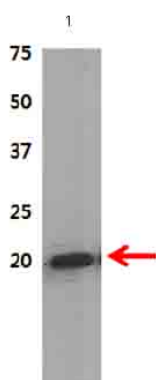
**Predicted band size:** 18 kDa

**Observed band size:** 21 kDa

Western blot - AIMP3/p18 antibody (ab31543)



Immunofluorescence - AIMP3/p18 antibody  
(ab31543)



Western blot - AIMP3/p18 antibody (ab31543)

Anti-AIMP3/p18 antibody (ab31543) at 1/8000  
dilution + whole cell lysate prepared from  
HEK293 cells at 50 µg/ml

#### Secondary

Goat anti-rabbit IgG (H+L) at 1/10000 dilution

**Predicted band size:** 18 kDa

**Observed band size:** 20 kDa

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

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