

Product datasheet

Anti-AIMP3/p18 antibody ab31543

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

Overview

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

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.05% Sodium Azide
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab31543** in the following tested applications.

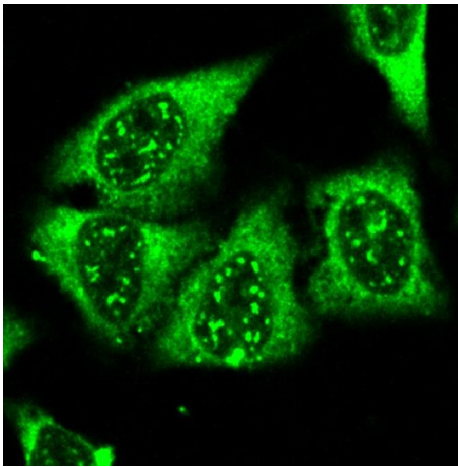
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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.

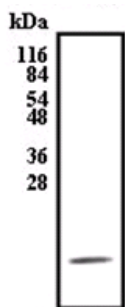
Target

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

Images



Immunofluorescence - AIMP3/p18 antibody
(ab31543)

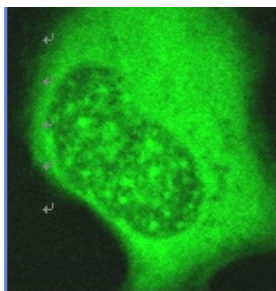


Anti-AIMP3/p18 antibody (ab31543) at
1/20000 dilution + HEK293 cell line

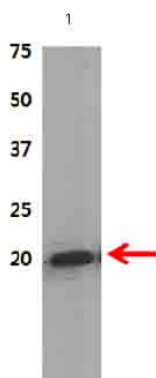
Predicted band size: 18 kDa

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

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