

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.

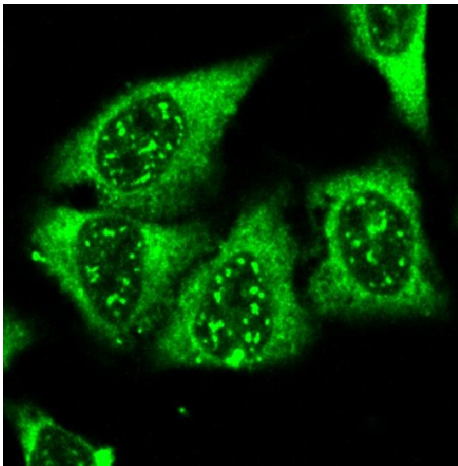
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

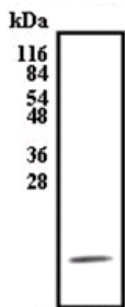
Function	Positive modulator of ATM response to DNA damage.
Tissue specificity	Down-regulated in various cancer tissues.
Sequence similarities	Contains 1 GST C-terminal domain.
Cellular localization	Cytoplasm. Nucleus. Cytoplasmic under growth arrest conditions. Translocated into the nucleus when growth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

Images



Immunofluorescence analysis of HeLa cells using anti-AIMP3 (p18) antibody (ab31543).

Immunocytochemistry/ Immunofluorescence - Anti-AIMP3/p18 antibody (ab31543)



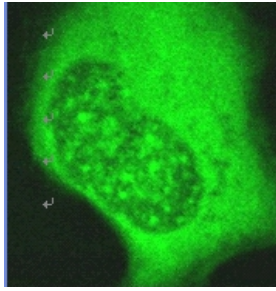
Anti-AIMP3/p18 antibody (ab31543) at 1/20000 dilution + HEK293 cell line

Predicted band size: 18 kDa

Observed band size: 21 kDa

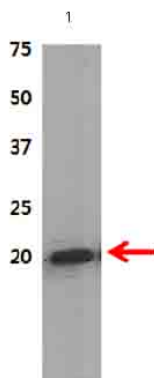
[why is the actual band size different from the predicted?](#)

Western blot - Anti-AIMP3/p18 antibody (ab31543)



Immunofluorescence analysis of U2OS cells using anti-AIMP3 (p18) antibody (ab31543).

Immunocytochemistry/ Immunofluorescence - Anti-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 [why is the actual band size different from the predicted?](#)

Western blot - Anti-AIMP3/p18 antibody (ab31543)

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