


Product datasheet

Anti-ASPP1 antibody ab51831

[2 Images](#)

Overview

Product name	Anti-ASPP1 antibody
Description	Rabbit polyclonal to ASPP1
Host species	Rabbit
Specificity	Minimal reactivity occurs against ASPP2.
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide corresponding to an internal sequence of ASPP1 (Human)
Positive control	MCF7 cells extracts
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. Sterile filtered.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab51831 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
ICC/IF		Use a concentration of 1 µg/ml.
WB		1/500 - 1/3000. Detects a band of approximately 120 kDa (predicted molecular weight: 121 kDa).

Target

Function	Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo.
Tissue specificity	Reduced expression in breast carcinomas expressing a wild-type TP53 protein.
Sequence similarities	Belongs to the ASPP family. Contains 2 ANK repeats. Contains 1 SH3 domain.
Domain	The ankyrin repeats and the SH3 domain are required for specific interactions with TP53.
Cellular localization	Cytoplasm. Nucleus. Predominantly cytoplasmic. Some fraction is nuclear.

Images



All lanes : Anti-ASPP1 antibody (ab51831) at 1/1000 dilution

Lane 1 : Non-transfected control

Lane 2 : MCF7 cells over expressing ASPP1

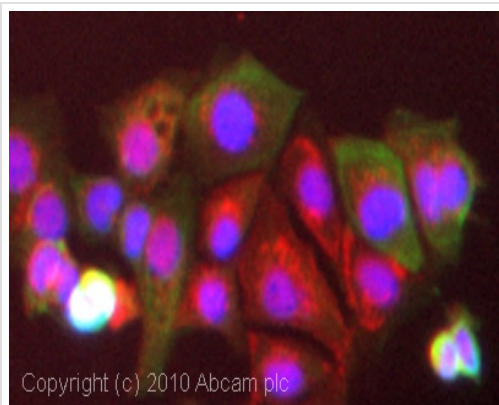
Lane 3 : MCF7 cells overexpressing ASPP2

Predicted band size: 121 kDa

Observed band size: 120,50 kDa

Additional bands at: 121 kDa. We are unsure as to the identity of these extra bands.

Cell extracts were electrophoresed and transferred to nitrocellulose. The membrane was probed with the primary antibody at a 1/1000 dilution. The identity of the lower MW band at approximately 50kDa is unknown. Primary experimental data indicate that the unknown band intensifies in extracts from p53 siRNA knockdown cells.



Immunocytochemistry/ Immunofluorescence - Anti-ASPP1 antibody (ab51831)

ICC/IF image of ab51831 stained MCF7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab51831, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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