


Product datasheet

Anti-53BP2/ASPP2/BBP antibody ab70548

2 Images

Overview

Product name	Anti-53BP2/ASPP2/BBP antibody
Description	Rabbit polyclonal to 53BP2/ASPP2/BBP
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human Predicted to work with: Horse, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to Human 53BP2/ASPP2/BBP. Database link: NP_001026855.1
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	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70548 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		1/2000 - 1/10000. Detects a band of approximately 170 kDa (predicted molecular weight: 125 kDa).
IP		Use at 2-5 µg/mg of lysate.

Target

Function

Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of APPBP1 to conjugate NEDD8 to CUL1, and thereby decreases APPBP1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42.

Tissue specificity

Widely expressed. Expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocyte. Reduced expression in breast carcinomas expressing a wild-type TP53 protein. Overexpressed in lung cancer cell lines.

Sequence similarities

Belongs to the ASPP family.
Contains 2 ANK repeats.
Contains 1 SH3 domain.

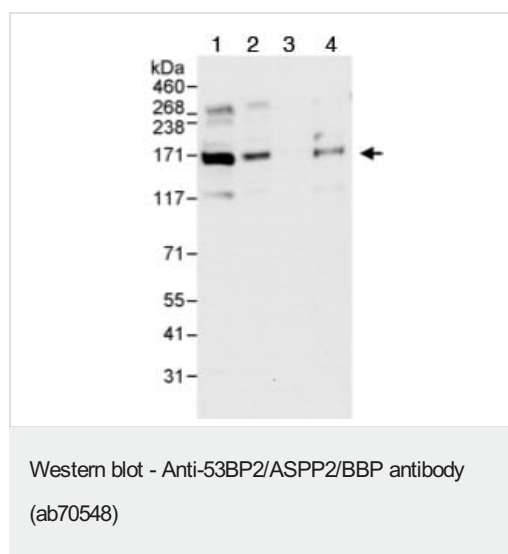
Domain

The ankyrin repeats and the SH3 domain are required for a specific interactions with TP53.

Cellular localization

Cytoplasm > perinuclear region. Nucleus. Predominantly found in the perinuclear region. Some small fraction is nuclear. Sequester in the cytoplasm on overexpression of DDX42.

Images



All lanes : Anti-53BP2/ASPP2/BBP antibody (ab70548) at 0.04 µg/ml

Lane 1 : Whole cell lysate from HeLa cells at 50 µg

Lane 2 : Whole cell lysate from HeLa cells at 15 µg

Lane 3 : Whole cell lysate from HeLa cells at 5 µg

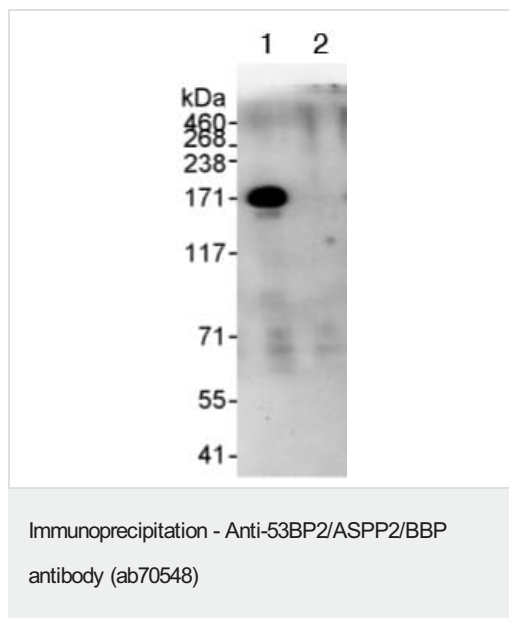
Lane 4 : Whole cell lysate from 293T cells at 50 µg

Developed using the ECL technique.

Predicted band size: 125 kDa

Observed band size: 170 kDa

Exposure time: 30 seconds



1mg whole cell lysate from HeLa cells was immunoprecipitated with ab70548 at 3ug/mg of lysate(lane 1) or a control IgG (lane 2). For the subsequent blot, 20% of immunoprecipitate was loaded per lane, and probed with ab70548 at 1ug/ml. Detection: chemiluminescence with exposure time of 30 seconds

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

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