

## Anti-ASPP2 TP53BP2 Antibody

Catalog Number: A02609

### About TP53BP2

ASPP (ankyrin-repeat-, SH3-domain- proline-rich-region protein) proteins (ASPP1, ASPP2 and iASPP) represent a new family of p53 binding proteins. ASPP1 and ASPP2 bind and enhance p53-mediated apoptosis. In contrast, iASPP functionally inactivates p53. ASPPs may also regulate p63- and p73-mediated apoptosis. Both ASPP1 and 2 directly interact with p53 and specifically enhance the apoptotic function of p53 by stimulating its DNA binding and transactivation function on promoters of pro-apoptotic genes, such as Bax and PIG-3. Not all cell cycle arrest genes are affected, such as p21. Interestingly, expression of ASPP is frequently down-regulated in human breast carcinomas expressing wild-type p53 but not mutant p53. Therefore, ASPP might regulate the tumor suppression function of p53 in vivo.

### Overview

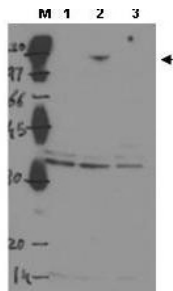
Product Name	Anti-ASPP2 TP53BP2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ASPP2 TP53BP2 Antibody (Catalog # A02609). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q13625

### Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal sequence of human ASPP2.
Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	2.4 mg/mL by UV absorbance at 280 nm

Purification	<p>This Protein A purified antibody is directed against human ASPP2. The product was purified from monospecific antiserum by Protein A affinity chromatography. Minimal reactivity occurs against ASPP1. A BLAST analysis was used to suggest cross-reactivity with ASPP2 from macaque and dog sources based on a 100% homology with the immunizing sequence. Expect partial reactivity with ASPP2 from mouse and rat sources based on an 80% homology with the immunizing sequence. Reactivity against homologues from other sources is not known.</p>
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:2,500 - 1:10,000</p> <p>IHC: User optimized</p> <p>WB: 1:500 - 1:3,000</p>

## Anti-ASPP2 TP53BP2 Antibody (A02609) Images



Western blot analysis of ASPP2 expression in nontransfected control (lane 1), MCF-7 whole cell lysates (Lane 2, arrowhead), MCF-7 cells over-expressing ASPP1 (Lane 3). ASPP2 was detected using rabbit anti-ASPP2 Antigen Affinity purified polyclonal antibody (Catalog # A02609) at 1:1,000. Personal Communication, H. Yang, Univ. Oklahoma, Oklahoma City, OK.

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