

## Anti-ASPP2 (RABBIT) Antibody - 200-401-A19

**Code:** 200-401-A19

**Size:** 100 µg

**Product Description:** Anti-ASPP2 (RABBIT) Antibody - 200-401-A19

**Concentration:** 2.4 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Rabbit
<b>Gene Name</b>	ASPP2
<b>Species Reactivity</b>	human
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Apoptosis stimulating of p53 protein 2 antibody, Bbp antibody, Bcl2 binding protein antibody, NY REN 51 antigen antibody, p53 binding protein 2 antibody
<b>Application Note</b>	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 125 kDa in size corresponding to ASPP2 by western blotting in the appropriate cell lysate or extract.
<b>Background</b>	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.
<b>Purity And Specificity</b>	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.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:2,500 - 1:10,000
<b>Immunohistochemistry</b>	User Optimized
<b>WESTERN BLOT</b>	1:500 - 1:3,000
<b>IHC</b>	User Optimized
<b>OTHER ASSAYS</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	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.
<b>General Reference</b>	<p>Liu, Z.J., Lu, X. and Zhong, S. (2005) ASPP-Apoptotic specific regulator of p53. <i>Biochim. Biophys. Acta</i> 1756(1): 77-80.</p> <p>Trigiante, G. and Lu, X. (2006) ASPPs and Cancer. <i>Nat. Rev. Cancer</i> 6(3): 217-226.</p> <p>Samuels-Lev, Y., et al. (2001) ASPP Proteins Specifically Stimulate the Apoptotic Function of p53. <i>Mol. Cell</i> 8:</p>

781-794.

Slee, E.A. and Lu, X. (2003) The ASPP family deciding between life and death after DNA damage. *Toxicol. Lett.* 139: 81-87.

Liu, Z.J., Lu, X., Zhang, Y., Zhong, S., Gu, S.Z., Zhang, X.B., Yang, X. and Xin, H.M. (2005) Downregulated mRNA expression of ASPP and the hypermethylation of the 5'-untranslated region in cancer cell lines retaining wild-type p53. *FEBS Lett.* 579(7): 1587-1590.

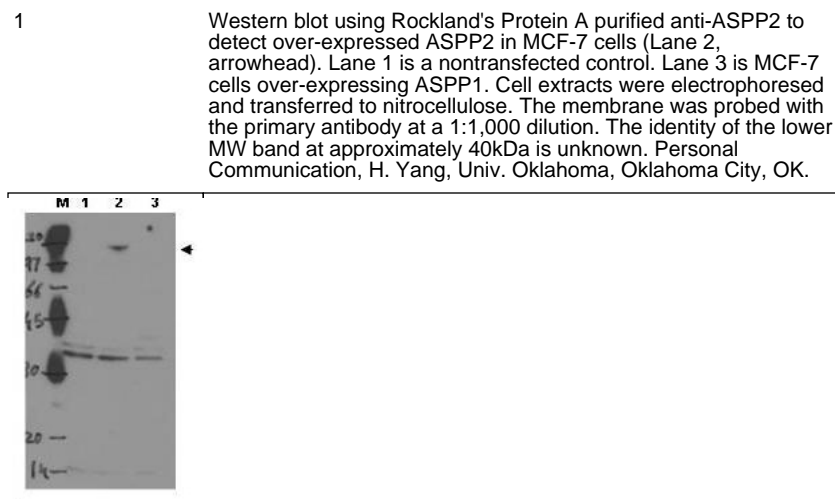
#### Related Products

200-401-A34	Anti-Survivin (RABBIT) Antibody - 200-401-A34
600-401-268	Anti-AKT pS473 (RABBIT) Antibody - 600-401-268
600-401-964	Anti-Pdcd4 pS457 (RABBIT) Antibody - 600-401-964
600-401-966	Anti-DAXX (RABBIT) Antibody - 600-401-966

#### Related Links

NCBI	<a href="http://www.ncbi.nlm.nih.gov/protein/112799849">http://www.ncbi.nlm.nih.gov/protein/112799849</a>
NCBI - 112799849	<a href="http://www.ncbi.nlm.nih.gov/protein/112799849">http://www.ncbi.nlm.nih.gov/protein/112799849</a>
UniProt - Q13625	<a href="http://www.uniprot.org/uniprot/Q13625">http://www.uniprot.org/uniprot/Q13625</a>
Gene ID - 7159	<a href="http://www.ncbi.nlm.nih.gov/gene/7159">http://www.ncbi.nlm.nih.gov/gene/7159</a>

#### Images



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