

Anti-iASPP (RABBIT) Antibody - 600-401-926

Code: 600-401-926

Size: 100 µg

Product Description: Anti-iASPP (RABBIT) Antibody - 600-401-926

Concentration: 1.1mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	PPP1R13L
Species Reactivity	human
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	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.
Synonyms	inhibitor of apoptosis stimulating protein of p53 antibody, Inhibitor of ASPP protein antibody, NFkB interacting protein 1 antibody, NKIP1 antibody, PPP1R13B-like protein antibody
Application Note	This affinity purified antibody has been tested for use in ELISA, immunohistochemistry and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect bands approximately 100 kDa and 50 kDa in size corresponding to isoforms 1 and 2 respectively of iASPP protein by western blotting in the appropriate cell lysate or extract.
Background	ASPP proteins (ASPP1, ASPP2 and iASPP) represent a new family of p53 binding proteins. ASPP1 and ASPP2 bind and enhance p53-mediated apoptosis. In contrast, the third member, iASPP, functionally inactivates p53. iASPP (also called protein phosphatase 1 regulatory (inhibitor) subunit 13 like protein, Inhibitor of ASPP protein, Protein iASPP, PPP1R13B-like protein and NFkB-interacting protein 1) plays a central role in regulation of apoptosis and transcription via its interaction with NF-kappa-B and p53/TP53 proteins. iASPP blocks transcription of HIV-1 virus by inhibiting the action of both NF-kappa-B and SP1.
Purity And Specificity	This affinity-purified antibody is directed against the human iASPP protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with iASPP proteins from human, dog and mouse sources. Expect reactivity against both isoform 1 and isoform 2. Partial reactivity may occur against iASPP from bovine. Reactivity against homologues from other sources is not known.
Assay Dilutions	User Optimized
ELISA	1:40,000 - 1:160,000
Immunohistochemistry	1:1,000 - 1:5,000
WESTERN BLOT	1:1,000 - 1:5,000
IHC	1:1,000 - 1:5,000
OTHER ASSAYS	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 780-797 of human iASPP (isoform 1) protein.
General Reference	<p>Liu,Z.J., Lu,X. and Zhong,S. (2005) ASPP--Apoptotic specific regulator of p53. Biochim. Biophys. Acta 1756 (1), 77-80.</p> <p>Laska,M.J., Nexo,B.A., Vistisen,K., Poulsen,H.E., Loft,S. and Vogel,U. (2005) Polymorphisms in RAI and in genes of nucleotide and base excision repair are not associated with risk of testicular cancer. Cancer Lett. 225 (2), 245-251.</p> <p>Zhang,X., Wang,M., Zhou,C., Chen,S. and Wang,J. (2005) The expression of iASPP in acute leukemias. Leuk. Res. 29 (2), 179-183.</p>

Related Products

200-343-268	Anti-AKT pS473 (MOUSE) Monoclonal Antibody DyLight™ 649 Conjugated - 200-343-268
200-401-A19	Anti-ASPP2 (RABBIT) Antibody - 200-401-A19
200-401-A34	Anti-Survivin (RABBIT) Antibody - 200-401-A34
600-401-964	Anti-Pdcd4 pS457 (RABBIT) Antibody - 600-401-964

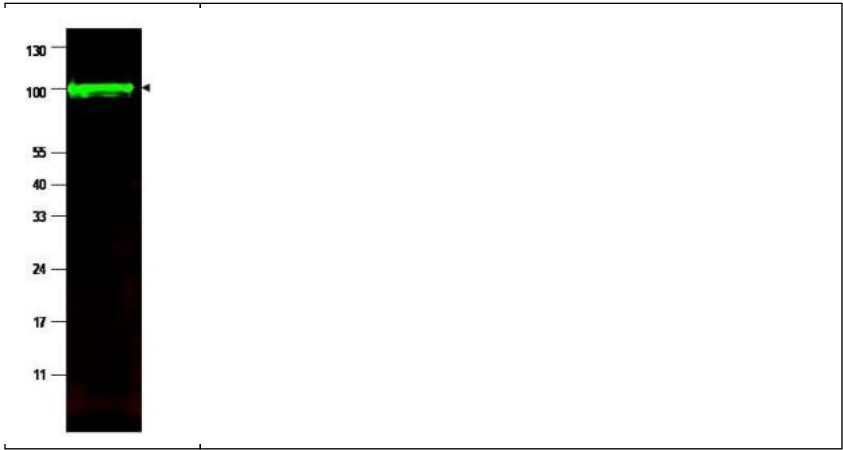
Related Links

UniProtKB	http://www.uniprot.org/uniprot/Q8WUF5
NCBI	http://www.ncbi.nlm.nih.gov/protein/63003907
NCBI - 63003907	http://www.ncbi.nlm.nih.gov/protein/63003907
UniProt - Q8WUF5	http://www.uniprot.org/uniprot/Q8WUF5
Gene ID - 10848	http://www.ncbi.nlm.nih.gov/gene/10848
GeneID	http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=10848

Images

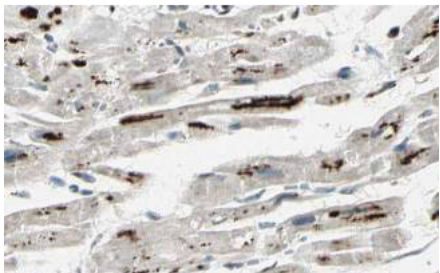
1

Western blot using Rockland's affinity purified anti-iASPP antibody shows detection of a band at ~100 kDa (arrowhead) corresponding to isoform 1 of iASPP in MCF7 whole cell lysates. Preincubation with immunizing peptide blocks specific band staining (data not shown). Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed with the primary antibody diluted to 1:1,500 in 5% BLOTTO/PBS overnight at 4°C. The membrane was washed and reacted with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] (611-132-122) for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers. IRDye800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



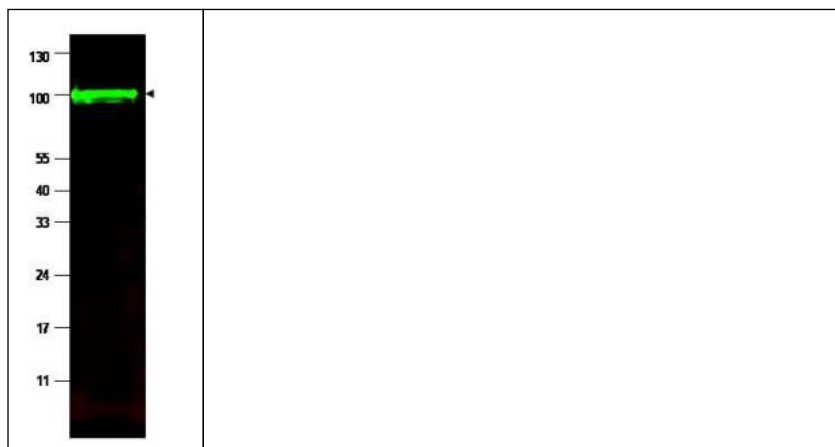
2

Rockland's Affinity Purified anti-iASPP antibody shows strong cytoplasmic and membranous staining of myocytes in human heart tissue. Tissue was formalin-fixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei. Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.



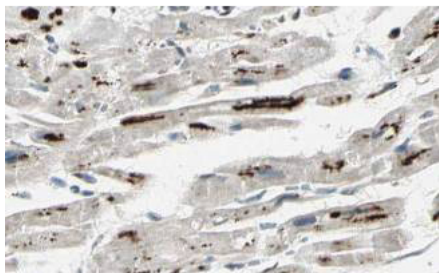
3

Western blot using Rockland's affinity purified anti-iASPP antibody shows detection of a band at ~100 kDa (arrowhead) corresponding to isoform 1 of iASPP in MCF7 whole cell lysates. Preincubation with immunizing peptide blocks specific band staining (data not shown). Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE. After blocking, the membrane was probed with the primary antibody diluted to 1:1,500 in 5% BLOTTO/PBS overnight at 4°C. The membrane was washed and reacted with a 1:10,000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] (611-132-122) for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers. IRDye800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



4

Rockland's Affinity Purified anti-iASPP antibody shows strong cytoplasmic and membranous staining of myocytes in human heart tissue. Tissue was formalin-fixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei. Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.