

Anti-iASPP (RABBIT) Antibody

iASSP Antibody Catalog # ASR5349

Specification

Anti-iASPP (RABBIT) Antibody - Product Information

Host Rabbit

Unconjugated Conjugate **Target Species** Human Reactivity Human Clonality **Polyclonal**

Application WB, IHC, E, I, LCI

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

Ivsate or extract.

Physical State Liquid (sterile filtered) Buffer

0.02 M Potassium Phosphate, 0.15 M

Sodium Chloride, pH 7.2

This affinity purified antibody was Immunogen prepared from whole rabbit serum

> produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 775-800

of human iASPP (isoform 1) protein.

0.01% (w/v) Sodium Azide Preservative

Anti-iASPP (RABBIT) Antibody - Additional Information

Gene ID 10848

Other Names

10848

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.

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-iASPP (RABBIT) Antibody - Protein Information

Name PPP1R13L

Synonyms IASPP, NKIP1, PPP1R13BL, RAI

Function

Regulator that plays a central role in regulation of apoptosis and transcription via its interaction with NF-kappa-B and p53/TP53 proteins. Blocks transcription of HIV-1 virus by inhibiting the action of both NF-kappa-B and SP1. Also inhibits p53/TP53 function, possibly by preventing the association between p53/TP53 and ASPP1 or ASPP2, and therefore suppressing the subsequent activation of apoptosis (PubMed:12524540). Is involved in NF-kappa-B dependent negative regulation of inflammatory response (PubMed:28069640).

Cellular Location

Cytoplasm. Nucleus Note=Predominantly cytoplasmic but also nuclear

Tissue Location

Highly expressed in heart, placenta and prostate. Weakly expressed in brain, liver, skeletal muscle, testis and peripheral blood leukocyte.

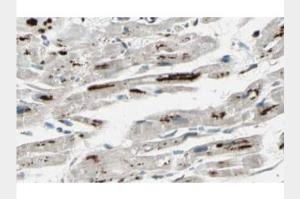
Anti-iASPP (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-iASPP (RABBIT) Antibody - Images





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.

Anti-iASPP (RABBIT) Antibody - 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.