

## iASPP (C-14): sc-74941

### BACKGROUND

Apoptosis stimulating protein of p53 (ASPP) is a family of proteins that act as regulators of apoptosis via their interactions with p53. ASPP1 and ASPP2 are both members of the ASPP family that regulate p53 by enhancing its transactivation function and binding to proapoptotic genes. iASPP, is the third member of the ASPP family and is considered inhibitory as it negatively regulates p53. iASPP is the most evolutionarily conserved inhibitor of p53 induced apoptosis. Expression of iASPP is upregulated in human breast carcinomas that express wildtype p53. Overexpression of iASPP may play a role in leukemogenesis and progression of acute leukemia. Inhibiting iASPP may be an effective strategy for treating tumors expressing wildtype p53.

### REFERENCES

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### CHROMOSOMAL LOCATION

Genetic locus: PPP1R13L (human) mapping to 19q13.32; Ppp1r13l (mouse) mapping to 7 A3.

### SOURCE

iASPP (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of iASPP of human origin.

### PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-74941 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### RESEARCH USE

For research use only, not for use in diagnostic procedures.

### APPLICATIONS

iASPP (C-14) is recommended for detection of iASPP of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

iASPP (C-14) is also recommended for detection of iASPP in additional species, including bovine and porcine.

Suitable for use as control antibody for iASPP siRNA (h): sc-72100, iASPP siRNA (m): sc-72105, iASPP shRNA Plasmid (h): sc-72100-SH, iASPP shRNA Plasmid (m): sc-72105-SH, iASPP shRNA (h) Lentiviral Particles: sc-72100-V and iASPP shRNA (m) Lentiviral Particles: sc-72105-V.

Molecular Weight of iASPP: 89 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) or our catalog for detailed protocols and support products.



Try **iASPP (A-2): sc-398566** or **iASPP (2808C5a): sc-81297**, our highly recommended monoclonal alternatives to iASPP (C-14).