SunLong Biotech Co.,LTD
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Rabbit Anti-IASPP antibody

SL0284R

Product Name	IASPP
Chinese Name	凋亡抑制因子 IASPP 抗体
Alias	IASPP; inhibitor of apoptosis stimulating protein of p53; Inhibitor of ASPP protein; NFkB interacting protein 1; NKIP1; PPP1R13B-like protein; PPP1R13L; Protein iASPP; protein phosphatase 1 regulatory (inhibitor) subunit 13 like; RAI; RelA-associated inhibitor; IASPP_HUMAN; RelA-associated inhibitor; Inhibitor of ASPP protein; NFkB-interacting protein 1.
Research Area	Tumour immunology Chromatin and nuclear signals Signal transduction Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat (predicted:Mouse,Dog,Cow,Sheep,GuineaPig)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,Flow-Cyt=1μg/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	89kDa
Cellular localization	The nucleus cytoplasmic Extracellular matrix
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human IASPP: 15-100/828
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic

or diagnostic applications.

PubMed PubMed

iASPP(inhibitor of apoptosis stimulating protein of p53)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. Highly expressed in heart, placenta and prostate. Weakly expressed in brain, liver, skeletal muscle, testis and peripheral blood leukocyte. Belongs to the ASPP family.

Product Detail

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.

Subunit:
Interacts with RELA NF-kappa-B subunit and with SP1 via its C-terminus part. Interacts with p53/TP53, TP63 and TP73.

Subcellular Location:
Cytoplasm. Nucleus. Note=Predominantly cytoplasmic but also nuclear.

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

Similarity:
Belongs to the ASPP family.
Contains 2 ANK repeats.
Contains 1 SH3 domain.

SWISS:
Q8WUF5

Gene ID:
10848

Database links:

Entrez Gene: 10848 Human

Entrez Gene: 333654 Mouse

Omim: 607463 Human

SwissProt: Q8WUF5 Human

SwissProt: Q3TCU2 Mouse

SwissProt: Q5I1X5 Mouse

Unigene: 466937 Human

IASPP(inhibitory member of the ASPP family) 是新近发现的高度保守的 p53 相关基因,是 ApoptosisASPP 家族的另一个成员。

iASPP 能够抑制 ASPP1，2 的促凋亡作用，其蛋白产物定位于 The nucleus 内,具有结合 NF-κB p65 亚基和 p53 功能,进而抑制 NF-κB 的转录调节和 p53 对凋亡的调节功能。研究者发现 iASPP 蛋白，能够干扰 p53 基因发挥正常的促使细胞死亡的作用。这就意味着 iASPP 在正常细胞转化为癌症细胞方面起着重要的促进作用，即 iASPP 具有促进癌变的功能。表达位置：cytoplasmic，部分 The nucleus。

inhibitor of ASPP

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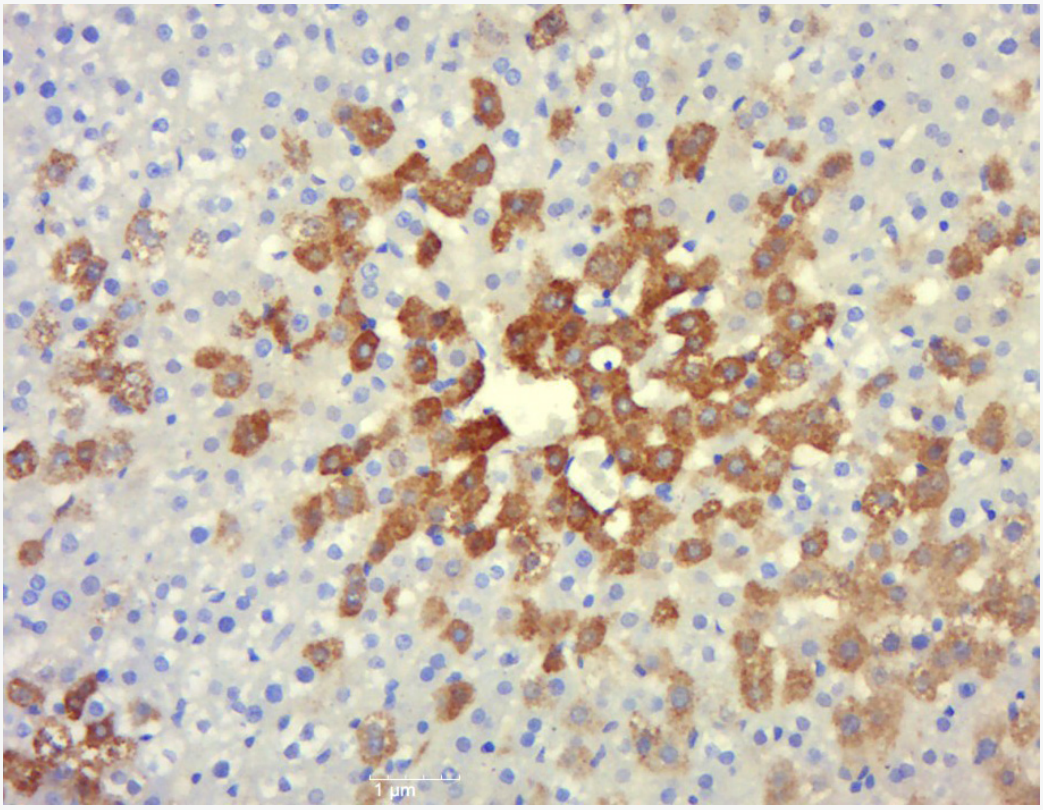
Product Picture



Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IASPP) Polyclonal Antibody, Unconjugated (SL0284R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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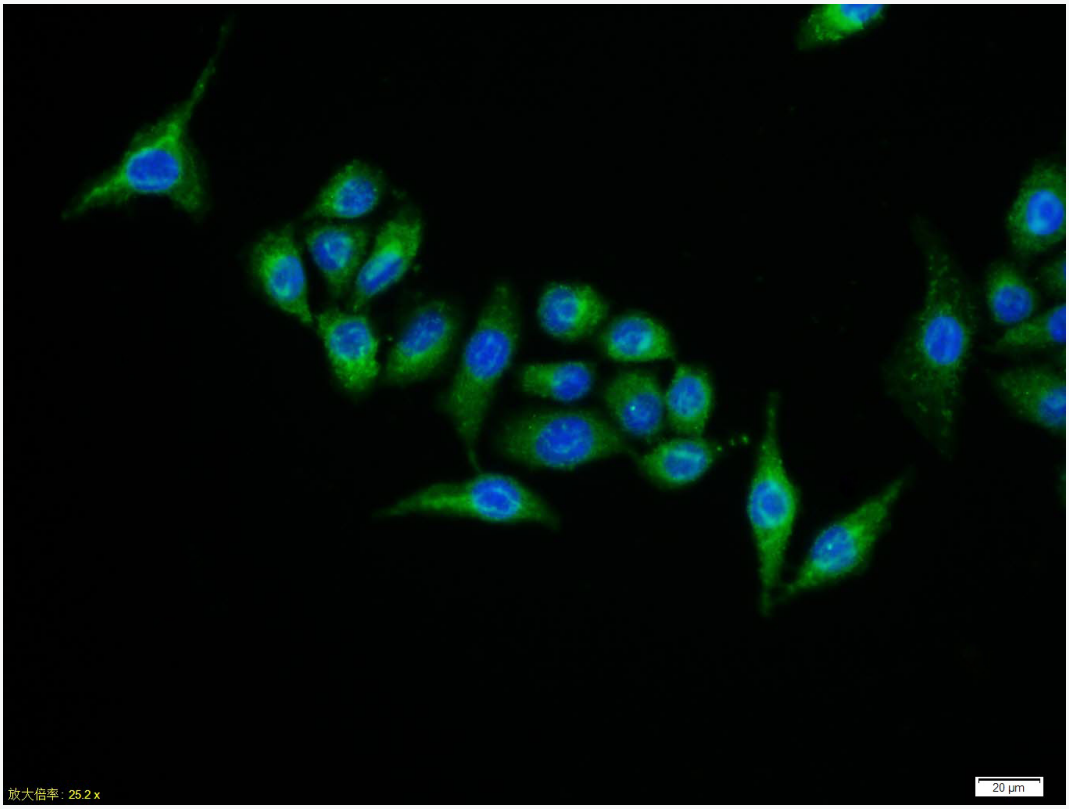

Tissue/cell:MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (IASPP) polyclonal Antibody, Unconjugated (SL0284R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

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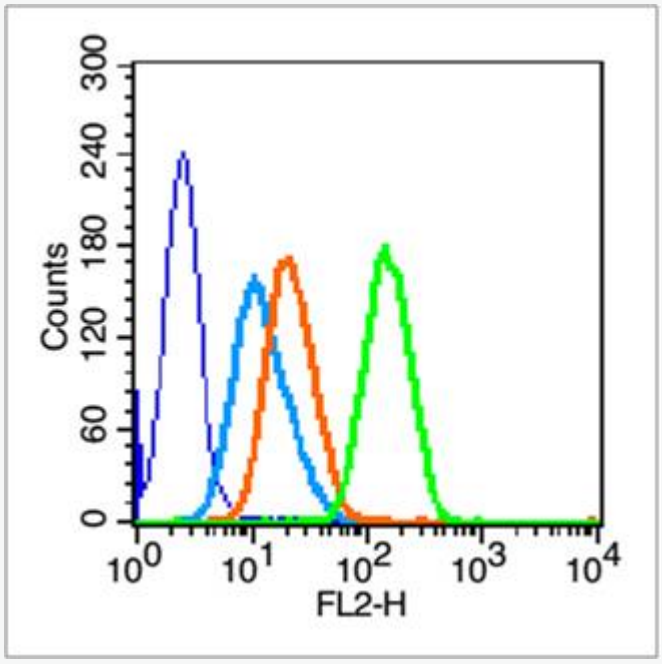


Blank control (blue line): HL60 (blue).

Primary Antibody (green line): Rabbit Anti-IASPP antibody (SL0284R)

Dilution: 1µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

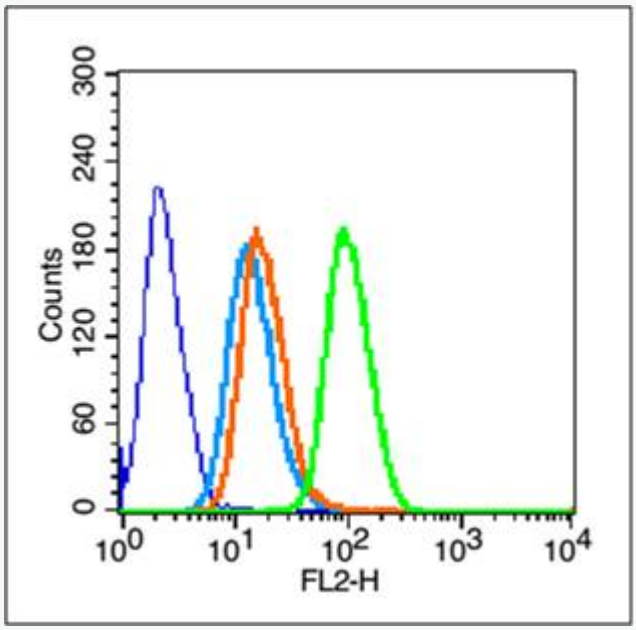
Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

Dilution: 1µg /test.

Protocol

The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.



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Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE

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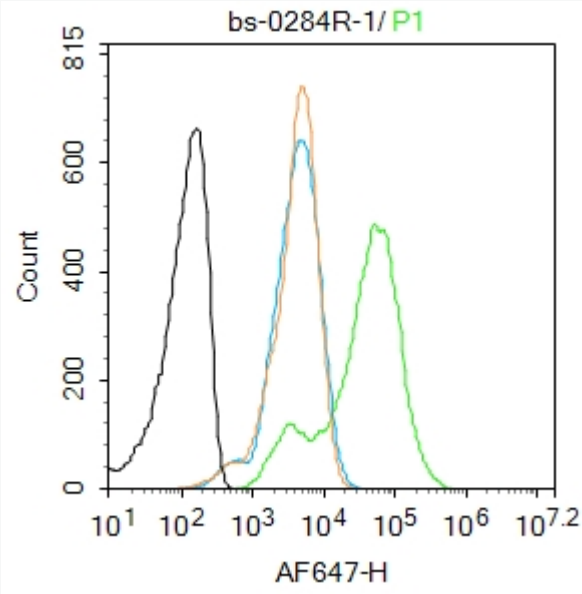


Blank control:A431.

Primary Antibody (green line): Rabbit Anti-IASPP antibody (SL0284R)

Dilution: 2µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

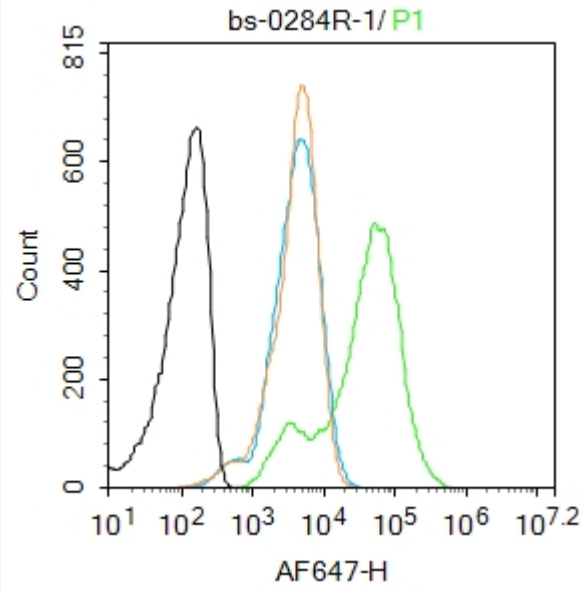
Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: 1µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room

temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



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Primary Antibody (green line): Rabbit Anti-IASPP antibody (SL0284R)

Dilution: 2µg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF647

Dilution: 1µg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in

5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.