



Rabbit Anti-PIRH2 antibody

SL4895R

Product Name:	PIRH2
Chinese Name:	Ubiquitin连接酶抗体
Alias:	Androgen receptor N terminal interacting protein; Androgen receptor N-terminal-interacting protein; ARNIP; CH-rich-interacting match with PLAG1; CHIMP; E3 ubiquitin-protein ligase Pirh2; hARNIP; hPirh2; p53 induced protein with a RING H2 domain; p53-induced RING-H2 protein; PIRH2E; PIRH2F; PRO1996; RCHY1; Ring finger and CHY zinc finger domain containing 1 E3 ubiquitin protein ligase; RING finger and CHY zinc finger domain-containing protein 1; RING finger protein 199; RNF199; ZFP 363; Zinc finger protein 363; ZN363_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PIRH2:31-130/261
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Pirh2 has p53-induced ubiquitin-protein ligase activity, promoting p53 degradation. The

protein physically interacts with p53 and the resulting degradation of p53 renders Pirh2 an oncogenic protein as the loss of p53 function contributes to malignant tumor development. The gene encoding for the protein maps to chromosome 4q21.1 and transcription of this gene is regulated by p53. Pirh2 expression decreases the level of p53 and a decrease of endogenous Pirh2 expression ups p53 levels. Pirh2 is therefore considered, together with MDM2, to be acting as a negative regulator of p53 function.

Function:

Mediates E3-dependent ubiquitination and proteasomal degradation of target proteins, including p53/TP53, HDAC1 and CDKN1B. Preferentially acts on tetrameric p53/TP53. Increases AR transcription factor activity (By similarity). Contributes to the regulation of CDKN1B and p53/TP53 levels, and thereby contributes to the regulation of the cell cycle progression.

Subunit:

Monomer and homodimer. Interacts with AR, p53/TP53, MDM2, HDAC1, KAT5, PLAG1, PLAGL2, CDKN1B, COPE, UBE2D2 and GORAB/NTKLBP1 (By similarity).

Subcellular Location:

Nucleus (By similarity). Nucleus speckle (By similarity). Cytoplasm (By similarity).

Tissue Specificity:

Detected in testis, liver, kidney and heart.

Post-translational modifications:

Subject to ubiquitination and proteasomal degradation (By similarity).

Similarity:

Contains 1 CHY-type zinc finger.

Contains 1 CTCHY-type zinc finger.

Contains 1 RING-type zinc finger.

SWISS:

Q96PM5

Gene ID:

25898

Database links:

[Entrez Gene: 771726](#)Chicken

[Entrez Gene: 540733](#)Cow

[Entrez Gene: 25898](#)Human

[Entrez Gene: 68098](#)Mouse

[Entrez Gene: 289508](#)Rat

[Oimim: 607680](#)Human

[SwissProt: Q96PM5](#)Human

[SwissProt: Q9CR50](#)Mouse

[Unigene: 48297](#)Human

[Unigene: 159453](#)Mouse

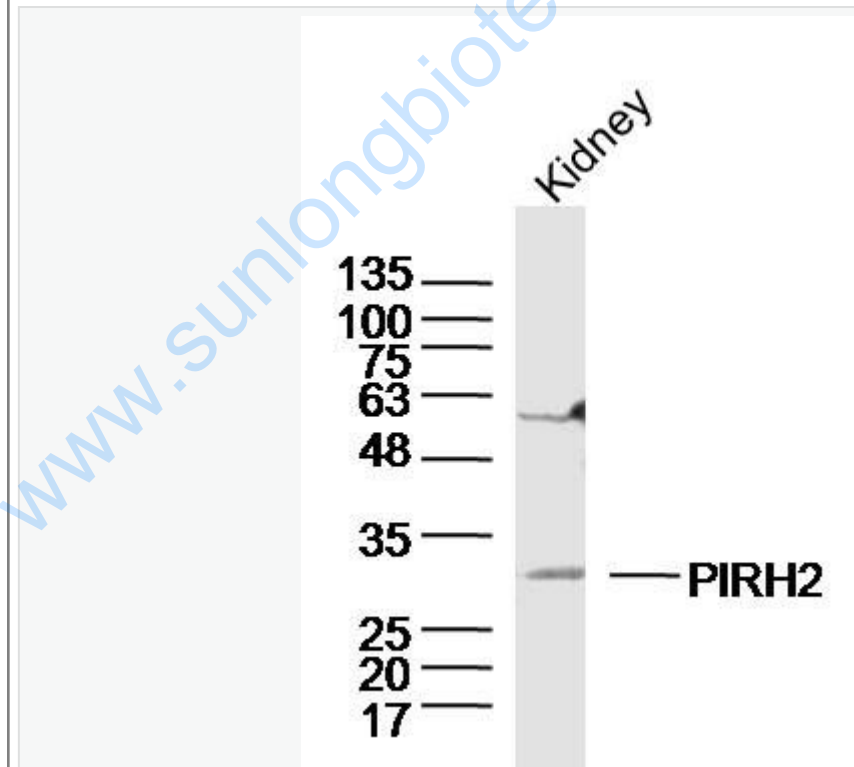
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Pirh2通过负反馈调控p53的转录激活和细胞生长抑制功能;

Pirh2蛋白是一个新发现的Ubiquitin蛋白连接酶, 受到p53的诱导调控表达, 可促进p53蛋白的Ubiquitin化降解。目前多用于肺癌的研究。

Picture:



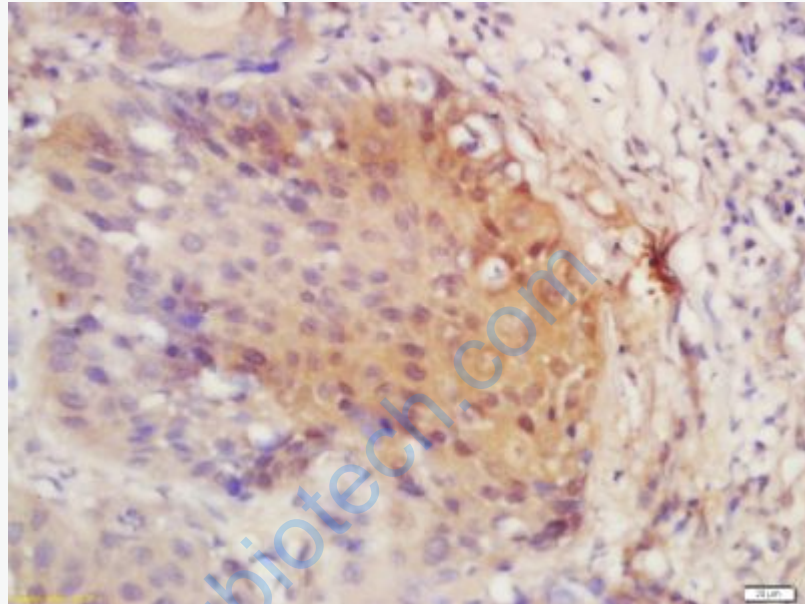
Sample: Kidney(Mouse)Lysate at 40 ug

Primary: Anti-PIRH2(SL4895R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 30kD

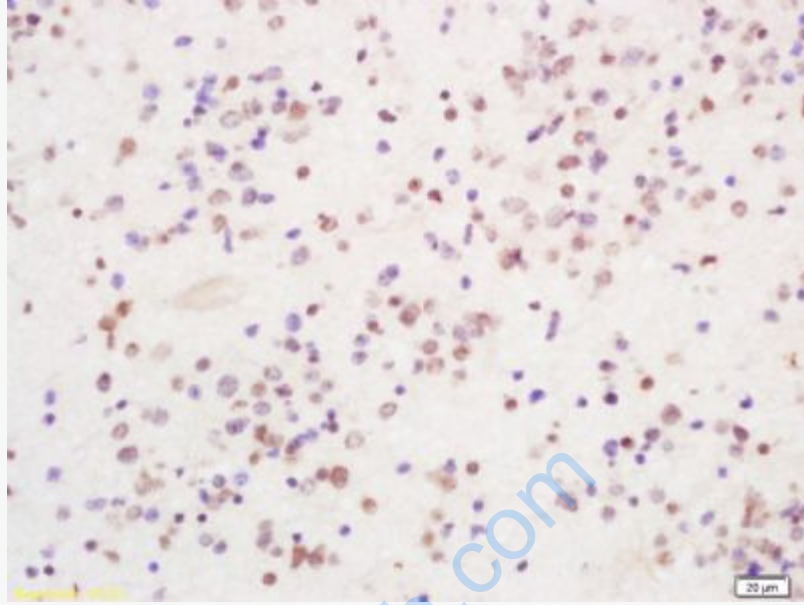
Observed band size: 30kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PIRH2 Polyclonal Antibody, Unconjugated(SL4895R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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