

For Research Use Only

# SKP2 Polyclonal antibody

Catalog Number: 15010-1-AP

Featured Product

45 Publications



## Basic Information

**Catalog Number:**

15010-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6826

**GenBank Accession Number:**

BC001441

**GeneID (NCBI):**

6502

**UNIPROT ID:**

Q13309

**Full Name:**

S-phase kinase-associated protein 2 (p45)

**Calculated MW:**

48 kDa

**Observed MW:**

46-48 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

IF, IHC, IP, WB

**Species Specificity:**

human

**Cited Species:**

human, rat, mouse

**Positive Controls:**

**WB:** HEK-293 cells, Jurkat cells

**IP:** HEK-293 cells,

**IHC:** human lung cancer tissue, human breast cancer tissue

**IF:** HepG2 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

SKP2(S-phase kinase-associated protein 2) is also named as FBXL1 and belongs to the F-box family. It regulates cellular proliferation by targeting several cell cycle-regulated proteins for ubiquitination and degradation, including cyclin-dependent kinase inhibitor CDKN1B(PMID:22200179). The acetylation of SKP2 in the nuclear localization signal (NLS) can promote its cytoplasmic retention, and cytoplasmic SKP2 enhances cellular migration through ubiquitination and destruction of CDH. This protein has 3 isoforms produced by alternative splicing (PMID:26497688, PMID:16902410).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yong-Li Zhang	34679694	Antioxidants (Basel)	WB
Xiaohong Xia	34599966	J Biol Chem	IF
Dian Bao	34803506	Int J Biol Sci	WB,IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

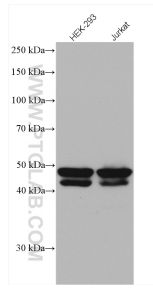
T: 4006900926

E: Proteintech-CN@ptglab.com

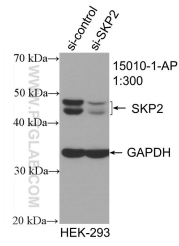
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

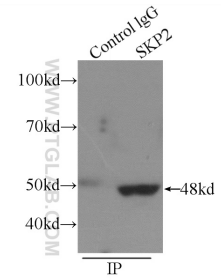
## Selected Validation Data



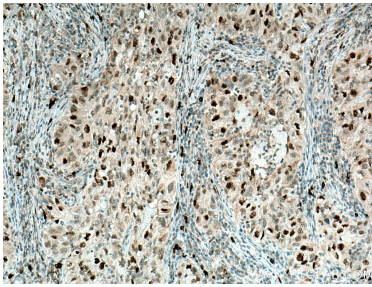
Various lysates were subjected to SDS PAGE followed by western blot with 15010-1-AP (SKP2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



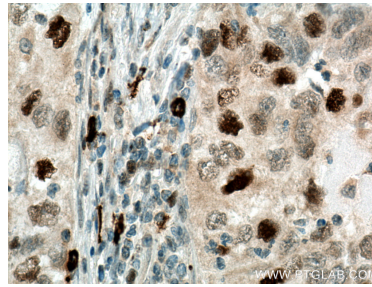
WB result of SKP2 antibody (15010-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-SKP2 transfected HEK-293 cells.



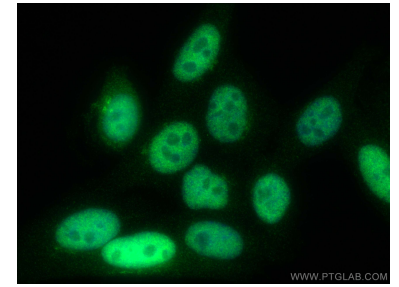
IP result of anti-SKP2 (IP:15010-1-AP, 4ug; Detection:15010-1-AP 1:300) with HEK-293 cells lysate 2440ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15010-1-AP (SKP2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15010-1-AP (SKP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SKP2 antibody (15010-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).