

Skp2 p45 Polyclonal Antibody

Catalog No :	YT4311
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	Skp2
Fields :	>>FoxO signaling pathway;>>Cell cycle;>>Ubiquitin mediated proteolysis;>>mTOR signaling pathway;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Viral carcinogenesis;>>Small cell lung cancer
Gene Name :	SKP2
Protein Name :	S-phase kinase-associated protein 2
Human Gene Id :	6502
Human Swiss Prot No :	Q13309
Mouse Swiss Prot No :	Q9Z0Z3
Immunogen :	The antiserum was produced against synthesized peptide derived from human SKP2/p45. AA range:366-415
Specificity :	Skp2 p45 Polyclonal Antibody detects endogenous levels of Skp2 p45 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 47kD

Cell Pathway : Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Ubiquitin mediated proteolysis;Pathways in cancer;Small cell lung cancer;

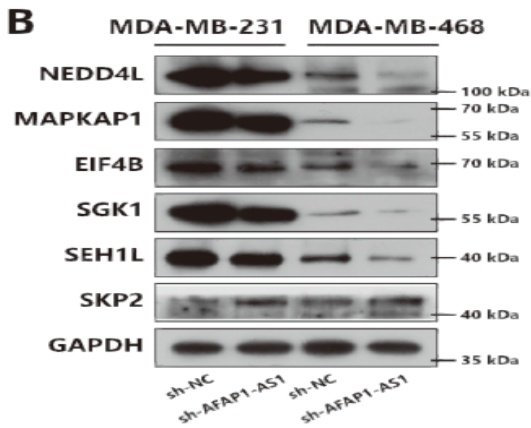
Background : This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class; in addition to an F-box, this protein contains 10 tandem leucine-rich repeats. This protein is an essential element of the cyclin A-CDK2 S-phase kinase. It specifically recognizes phosphorylated cyclin-dependent kinase inhibitor 1B (CDKN1B, also referred to as p27 or KIP1) predominantly in S phase and int

Function : function:Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1L, CDT1, RBL2, MLL, CDK9, RAG2, FOXO1A, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 F-box domain.,similarity:Contains 8 LRR (leucine-rich) repeats.,subunit:Part of the SCF(SKP2) complex consisting of CUL1, RBX1, SKP1 and SKP2. Interacts directly with CUL1 and SK

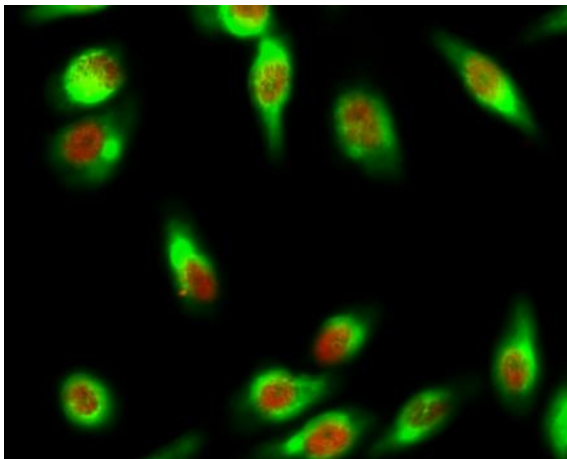
Subcellular Location : Cytoplasm . Nucleus .

Expression : Epithelium,Liver,Placenta,Prostatic carcinoma,

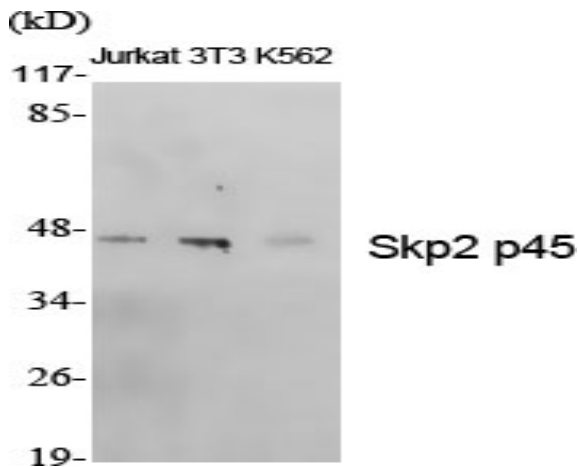
Products Images



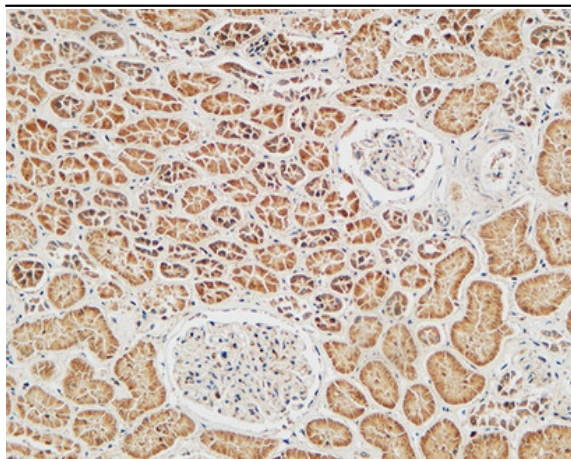
SP1-Induced Upregulation of LncRNA AFAP1-AS1 Promotes Tumor Progression in Triple-Negative Breast Cancer by Regulating mTOR Pathway. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Yidong Zhou WB Human 1:500 MDA-231 cell,MDA-MB-468 cell



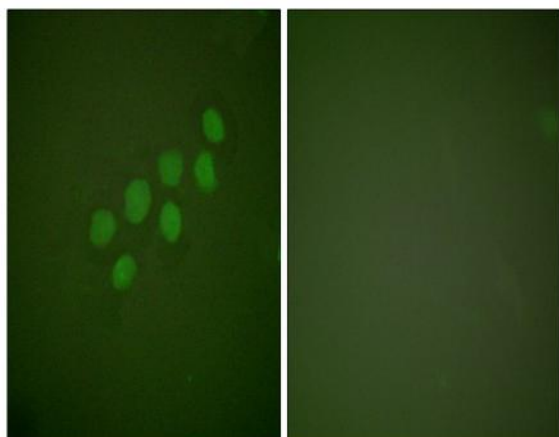
Immunofluorescence analysis of HeLa cell. 1, Skp2 p45 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). CYCS Monoclonal Antibody (4B10) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).



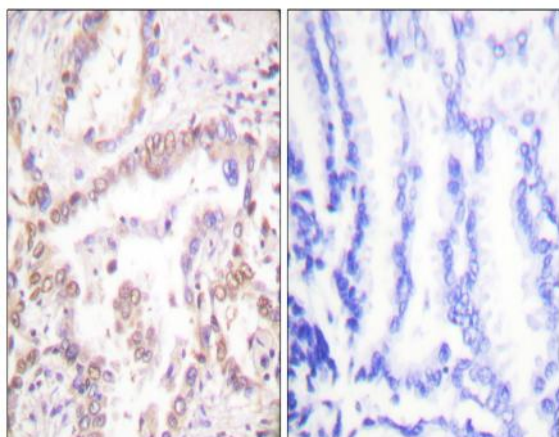
Western Blot analysis of various cells using Skp2 p45 Polyclonal Antibody diluted at 1:500



Immunohistochemical analysis of paraffin-embedded Human Right kidney. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunofluorescence analysis of A549 cells, using SKP2/p45 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using SKP2/p45 Antibody. The picture on the right is blocked with the synthesized peptide.