

Datasheet for ABIN737601
anti-SKP2 antibody (AA 351-424)

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Overview

Quantity:	100 µL
Target:	SKP2
Binding Specificity:	AA 351-424
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SKP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Skp2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SKP2
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Target Details

Alternative Name:	SKP2 (SKP2 Products)
Background:	<p>Synonyms: p45, FBL1, FLB1, FBXL1, S-phase kinase-associated protein 2, Cyclin-A/CDK2-associated protein p45, F-box protein Skp2, F-box/LRR-repeat protein 1, p45skp2, SKP2</p> <p>Background: 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 ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9, RAG2, FOXO1, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2. Promotes ubiquitination and destruction of CDH1 in a CK1-Dependent Manner, thereby regulating cell migration.</p>
Gene ID:	6502
UniProt:	Q13309
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

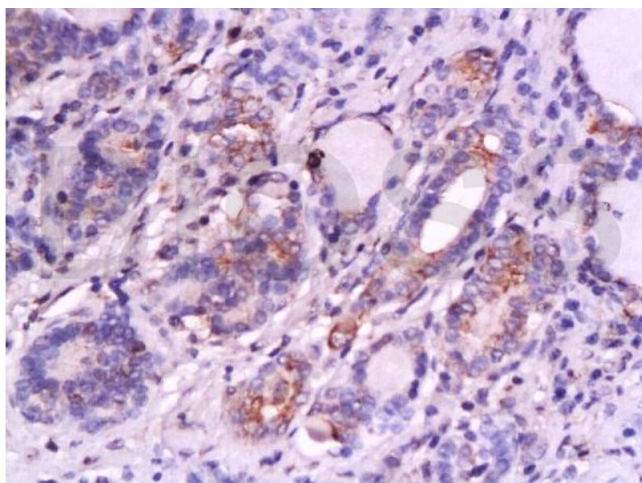
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

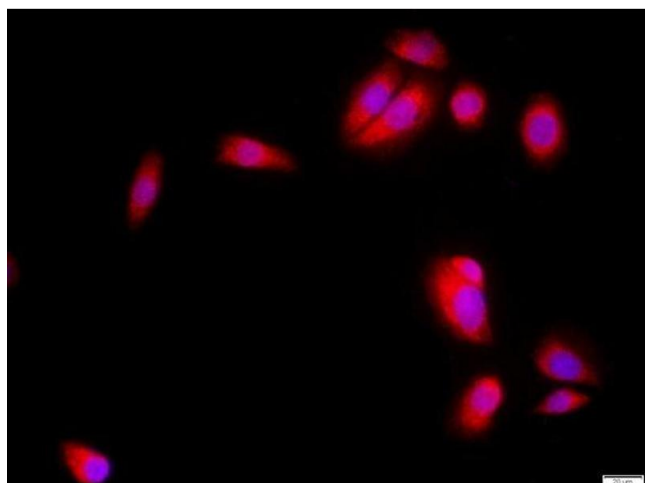
Product cited in:	<p>Pan, Li, Zhong, Chen, Chen, Gao, Wu, Guo: "RIG-I inhibits pancreatic β cell proliferation through competitive binding of activated Src." in: Scientific reports, Vol. 6, pp. 28914, (2016) (PubMed).</p> <p>Yang, Wang, Wang, Zhang, Zhang, Lu, Wang: "mTOR is involved in 17β-estradiol-induced, cultured immature boar Sertoli cell proliferation via regulating the expression of SKP2, CCND1, and CCNE1." in: Molecular reproduction and development, Vol. 82, Issue 4, pp. 305-14, (2015) (PubMed).</p> <p>Jiao, Yi, Rong, Kee, Zhong: "MicroRNA-1285 regulates 17β-estradiol-inhibited immature boar Sertoli cell proliferation via adenosine monophosphate-activated protein kinase activation." in: Endocrinology, pp. en20141982, (2015) (PubMed).</p> <p>Sun, Yang, Luo, Wang, Chen, Zhang, Wang, Li: "Thyroid hormone inhibits the proliferation of piglet Sertoli cell via PI3K signaling pathway." in: Theriogenology, (2014) (PubMed).</p>
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Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human thyroid carcinoma labeled with Anti-SKP2/skp2 p45 Polyclonal Antibody, Unconjugated (ABIN737601) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunofluorescence (Cultured Cells)

Image 2. MCF-7 cells were stained with SKP2 Polyclonal Antibody, Unconjugated at 1:500 in PBS and incubated for two hours at 37°C followed by Goat Anti-Rabbit IgG (H+L) Cy3 conjugated secondary antibody. DAPI staining of the nucleus was done and then detected.

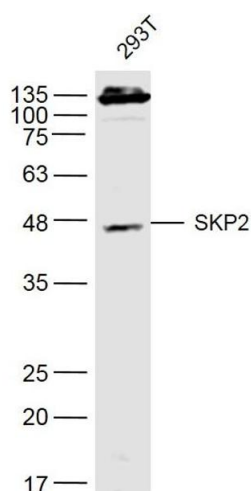


Image 3. 293T lysates probed with SKP2 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN737601.