

Anti-SKP2 Antibody

ER1916-62



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Cow, Rabbit
Applications:	WB, ELISA, IHC-P, IF, ICC
Molecular Wt:	48 KDa

Description: 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, MLL, 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.

Immunogen: KLH conjugated synthetic peptide derived from human Skp2 351-424/424

Positive control: 293T Cell Lysate, Hela cell, human thyroid gland carcinoma tissue.

Subcellular location: Cytoplasm. Nucleus.

Database links: SwissProt: Q13309 Human

Recommended Dilutions:

WB	1:500-2000
ELISA	1:5000-10000
IHC-P	1:100-500
IF	1:100-500
ICC	1:100

Storage Buffer: 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage Instruction: 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.

Purity: Protein A affinity purified.

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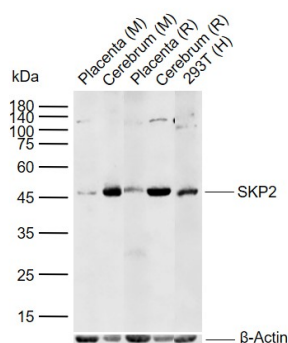
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Images

**Fig1: Sample:**

Lane 1: Mouse Placenta tissue lysates

Lane 2: Mouse Cerebrum tissue lysates

Lane 3: Rat Placenta tissue lysates

Lane 4: Rat Cerebrum tissue lysates

Lane 5: Human 293T cell lysates

Primary: Anti-SKP2 (ER1916-62) at 1/1,000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20,000 dilution

Predicted band size: 48 kDa

Observed band size: 46 kDa

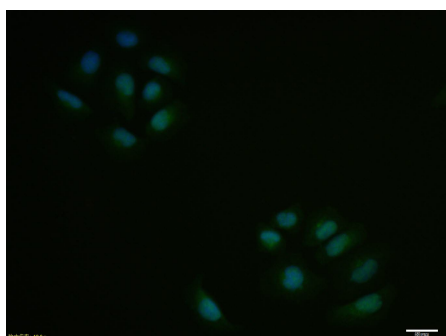


Fig2: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (SKP2) polyclonal Antibody, Unconjugated (ER1916-62) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

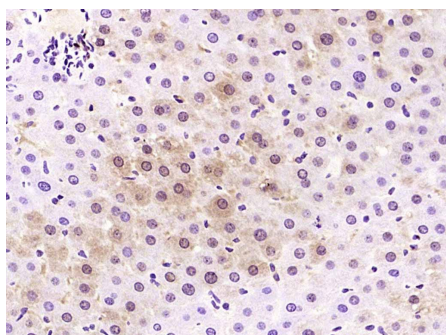


Fig3: Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SKP2) Polyclonal Antibody, Unconjugated (ER1916-62) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

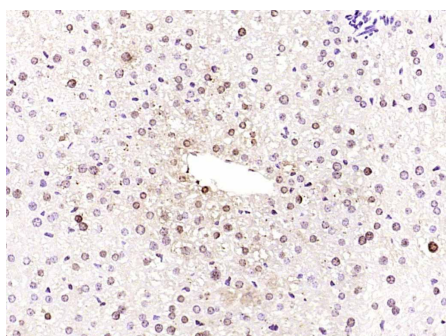


Fig4: Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SKP2) Polyclonal Antibody, Unconjugated (ER1916-62) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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