

Anti-SKP1 Antibody
Rabbit polyclonal antibody to SKP1
Catalog # AP61294

Specification

Anti-SKP1 Antibody - Product Information

Application	WB
Primary Accession	P63208
Other Accession	Q9WTX5
Reactivity	Human, Mouse, Rat, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18658

Anti-SKP1 Antibody - Additional Information

Gene ID 6500

Other Names

EMC19; OCP2; SKP1A; TCEB1L; S-phase kinase-associated protein 1; Cyclin-A/CDK2-associated protein p19; Organ of Corti protein 2; OCP-2; Organ of Corti protein II; OCP-II; RNA polymerase II elongation factor-like protein; SIII; Transcription elongation factor B; p19A; p19skp1

Target/Specificity

Recognizes endogenous levels of SKP1 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-SKP1 Antibody - Protein Information

Name SKP1

Synonyms EMC19, OCP2, SKP1A, TCEB1L

Function

Essential component of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex, which mediates the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, serves as an adapter that links the F-box protein to CUL1. The functional specificity of the SCF complex depends on the F-box protein as substrate recognition

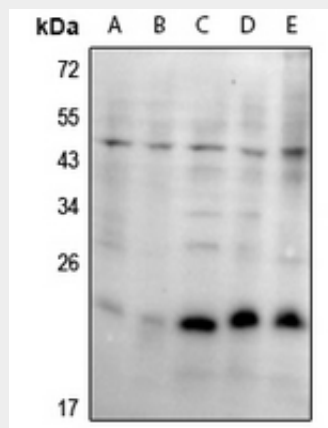
component. SCF(BTRC) and SCF(FBXW11) direct ubiquitination of CTNNB1 and participate in Wnt signaling. SCF(FBXW11) directs ubiquitination of phosphorylated NFKBIA. SCF(BTRC) directs ubiquitination of NFKBIB, NFKBIE, ATF4, SMAD3, SMAD4, CDC25A, FBXO5, CEP68 and probably NFKB2 (PubMed:25704143). SCF(SKP2) directs ubiquitination of phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. SCF(SKP2) directs ubiquitination of ORC1, CDT1, RBL2, ELF4, CDKN1A, RAG2, FOXO1A, and probably MYC and TAL1. SCF(FBXW7) directs ubiquitination of cyclin E, NOTCH1 released notch intracellular domain (NICD), and probably PSEN1. SCF(FBXW2) directs ubiquitination of GCM1. SCF(FBXO32) directs ubiquitination of MYOD1. SCF(FBXO7) directs ubiquitination of BIRC2 and DLGAP5. SCF(FBXO33) directs ubiquitination of YBX1. SCF(FBXO11) directs ubiquitination of BCL6 and DTL but does not seem to direct ubiquitination of TP53. SCF(BTRC) mediates the ubiquitination of NFKBIA at 'Lys-21' and 'Lys-22'; the degradation frees the associated NFKB1-RELA dimer to translocate into the nucleus and to activate transcription. SCF(CCNF) directs ubiquitination of CCP110. SCF(FBXL3) and SCF(FBXL21) direct ubiquitination of CRY1 and CRY2. SCF(FBXO9) directs ubiquitination of TTI1 and TELO2. SCF(FBXO10) directs ubiquitination of BCL2. Core component of the Cul7-RING(FBXW8) ubiquitin ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:35982156). Acts also as a core component of the Cul1- RING(FBXL4) ubiquitin ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of BNIP3 and BNI3L (PubMed:36896912).

Anti-SKP1 Antibody - Protocols

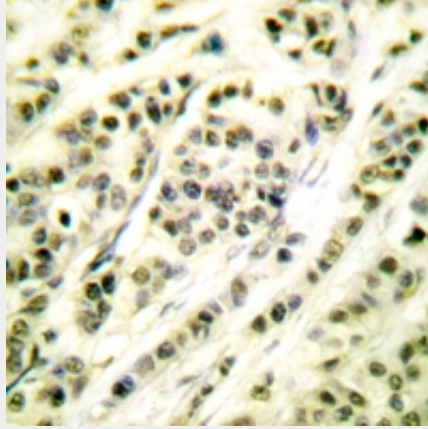
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SKP1 Antibody - Images



Western blot analysis of SKP1 expression in CT26 (A), C6 (B), MCF7 (C), A2780 (D), HeLa (E) whole cell lysates.



Immunohistochemical analysis of SKP1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-SKP1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SKP1. The exact sequence is proprietary.