



Skp2 p45 Monoclonal Antibody

Catalog No	YP-Ab-16565
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	SKP2
Immunogen	Purified recombinant fragment of Skp2 p45 (aa1-130) expressed in E. Coli.
Specificity	Skp2 p45 Monoclonal Antibody detects endogenous levels of Skp2 p45 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CDK2/Cyclin A associated protein p45; Cyclin A/CDK2 associated protein p45; Cyclin-A/CDK2-associated protein p45; F box protein Skp2; F box/LRR repeat protein 1; F-box protein Skp2; F-box/LRR-repeat protein 1; FBL 1; FBL1; FBXL 1; FBXL1; FLB 1; FLB1; MGC1366; p45; p45skp2; S phase kinase associated protein 2 (p45); S phase kinase associated protein 2; S-phase kinase-associated protein 2; S-phase kinase-associated protein 2 E3 ubiquitin protein ligase; SKP 2; Skp2; SKP2_HUMAN
Observed Band	
Calculated Molecular Weight	92kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Epithelium, Liver, Placenta, Prostatic carcinoma,
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

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

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis using Skp2 p45 Monoclonal Antibody against truncated Trx-Skp2 p45 recombinant protein (1) and GST-Skp2 p45 (aa1-130) recombinant protein (2).