

ARG54932 anti-p45 Skp2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes p45 Skp2
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	p45 Skp2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 156-185 (Center) of Human p45 Skp2.
Conjugation	Un-conjugated
Alternate Names	FBL1; FBXL1; F-box protein Skp2; S-phase kinase-associated protein 2; p45; F-box/LRR-repeat protein 1; FLB1; p45skp2; Cyclin-A/CDK2-associated protein p45

Application Instructions

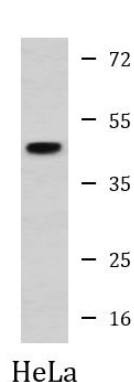
Application table	Application	Dilution
	FACS	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

Properties

Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

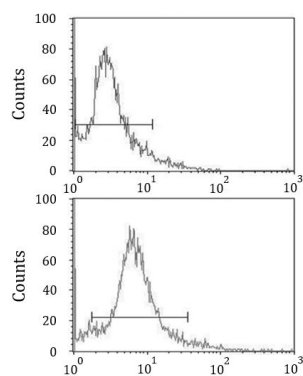
Database links	GeneID: 6502 Human Swiss-port # Q13309 Human
Gene Symbol	SKP2
Gene Full Name	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
Background	<p>This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. 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 interacts with S-phase kinase-associated protein 1 (SKP1 or p19). In addition, this gene is established as a protooncogene causally involved in the pathogenesis of lymphomas. Alternative splicing of this gene generates three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2011]</p>
Function	<p>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. [UniProt]</p>
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody
Calculated Mw	48 kDa
PTM	<p>Ubiquitinated by the APC/C complex, leading to its degradation by the proteasome. Deubiquitinated by USP13.</p> <p>Acetylation at Lys-68 and Lys-71 increases stability through impairment of APC/C-mediated proteolysis and promotes cytoplasmic retention. Deacetylated by SIRT3.</p>
Cellular Localization	Cytoplasm. Nucleus

Images



ARG54932 anti-p45 Skp2 antibody WB image

Western blot: 35 µg of HeLa cell lysate stained with ARG54932 anti-p45 Skp2 antibody.



ARG54932 anti-p45 Skp2 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG54932 anti-p45 Skp2 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.