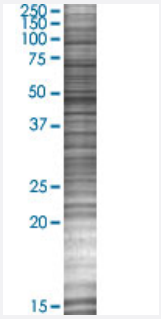
SKP2 293T Cell Transient Overexpression Lysate(Denatured)

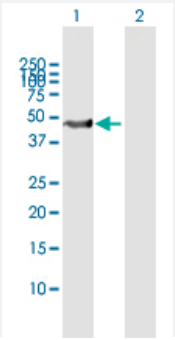
Catalog # H00006502-T02 Size 100 uL

Applications



SDS-PAGE Gel

SKP2 transfected lysate.



Western Blot

Lane 1: SKP2 transfected lysate (47.8 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SKP2 full-length
Host	Human
Theoretical MW (kDa)	47.8
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-SKP2 antibody (H00006502-B01P) by We stern Blots. SDS-PAGE Gel SKP2 transfected lysate. Western Blot Lane 1: SKP2 transfected lysate (47.8 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SKP2

Entrez GeneID	6502
GeneBank Accession#	NM_005983
Protein Accession#	NP_005974.2
Gene Name	SKP2
Gene Alias	FBL1, FBXL1, FLB1, MGC1366
Gene Description	S-phase kinase-associated protein 2 (p45)
Omim ID	601436
Gene Ontology	Hyperlink
Gene Summary	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 2 transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	CDK2/cyclin A-associated protein p45|S-phase kinase-associated protein 2

Pathway

- Cell cycle
- Pathways in cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis

Disease

- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Ovarian Neoplasms