



Rabbit Anti-SCRO antibody

SL6523R

Product Name:	SCRO
Chinese Name:	鳞状细胞癌相关蛋白抗体
Alias:	DCN1 defective in cullin neddylation 1 domain containing 1; DCN1 like protein 1; DCUN1 domain containing protein 1; DCUN1L1; Defective in cullin neddylation protein 1 like protein 1; RP 42; RP42; RP42 homolog; SCCRO; SCRO; Squamous cell carcinoma related oncogene; Tes 3; Tes3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SCRO/DCUN1D1:101-200/259
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	DCUN1D1 (DCUN1 domain-containing protein 1) contains a DUF298 domain and a UBA-like ubiquitin. Forms part of an E3 ubiquitin ligase complex for neddylation. Required for neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes by enhancing the rate of cullins neddylation. Functions to recruit the

NEDD8-charged E2 enzyme to the cullin component. Involved in the release of inhibitory effects of CAND1 on cullin-RING ligase E3 complex assembly and activity. Acts also as an oncogene facilitating malignant transformation and carcinogenic progression. Defects in DCUN1D1 may be a cause of squamous cell carcinomas. Strongly overexpressed in thyroid tumors, bronchioloalveolar carcinomas, and malignant tissues of squamous cell carcinoma of the oral tongue. Not overexpressed in aggressive adrenocortical carcinomas.

Subunit:

Part of an E3 complex for neddylation composed of cullins, RBX1, UBE2M and CAND1. Interacts (via the C-terminus 50 AA) with CUL1, CUL2, CUL3, CUL4 and CUL5. Binds neddylated CUL1. Interacts (via the C-terminus 50 AA) directly with RBX1. Interacts preferentially with UBE2M-NEDD8 thioester (via N-terminus 1-26 AA) than with free UBE2M. Interacts with CAND1 when in complex with CUL1-RBX1.

Tissue Specificity:

Expressed in pancreas, kidney, placenta, brain and heart. Weakly or not expressed in liver, skeletal muscle and lung. Strongly overexpressed in thyroid tumors, bronchioloalveolar carcinomas, and malignant tissues of squamous cell carcinoma of the oral tongue. Not overexpressed in aggressive adrenocortical carcinomas.

Similarity:

Contains 1 DCUN1 domain.
Contains 1 UBA-like domain.

SWISS:

Q96GG9

Gene ID:

54165

Database links:

[Entrez Gene: 54165](#)Human

[Entrez Gene: 114893](#)Mouse

[Entrez Gene: 310324](#)Rat

[Omim: 605905](#)Human

[SwissProt: Q96GG9](#)Human

[SwissProt: Q9QZ73](#)Mouse

[Unigene: 104613](#)Human

[Unigene: 374810](#)Mouse

[Unigene: 379305](#)Mouse

[Unigene: 474495](#)Mouse

[Unigene: 116073](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com