

SCRO Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58460

Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession Q96GG9

Reactivity Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 30124

Additional Information

Gene ID 54165

Other Names DCN1-like protein 1, DCNL1, DCUN1 domain-containing protein 1, Defective in

cullin neddylation protein 1-like protein 1, Squamous cell carcinoma-related

oncogene, DCUN1D1 (HGNC:18184)

Dilution WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name DCUN1D1 (HGNC:18184)

Function Part of an E3 ubiquitin ligase complex for neddylation (PubMed: 18826954).

Promotes neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes (PubMed: 19617556, PubMed: 23201271, PubMed: 23401859, PubMed: 26906416). Acts by binding to cullin-RBX1 complexes in the

cytoplasm and promoting their nuclear translocation, enhancing recruitment of E2-NEDD8 (UBE2M-NEDD8) thioester to the complex, and optimizing the orientation of proteins in the complex to allow efficient transfer of NEDD8

from the E2 to the cullin substrates. Involved in the release of inhibitory effets

of CAND1 on cullin-RING ligase E3 complex assembly and activity

(PubMed:<u>25349211</u>, PubMed:<u>28581483</u>). Also acts as an oncogene facilitating malignant transformation and carcinogenic progression (By similarity).

Cellular Location Nucleus. Cytoplasm Note=The ubiquitinated form is localized in the cytoplasm

Tissue Location 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

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