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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:25349211, PubMed:28581483). 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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