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Goat anti-DCUN1D1, Biotinlyated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4474a

Product Information

Application	WB, Pep-ELISA
Primary Accession	Q96GG9
Other Accession	NP_065691.2
Reactivity	Human, Mouse, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	DCUN1D1
Calculated MW	30124

Additional Information

Gene ID	54165
Other Names	DCUN1D1; DCN1, defective in cullin neddylation 1, domain containing 1 (S. cerevisiae); DCUN1L1; RP42; SCCRO; SCRO; Tes3; RP42 homolog; squamous cell carcinoma-related oncogene
Dilution	WB~~1:1000 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-DCUN1D1, Biotinlyated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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