

**DCUN1D1 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3155a

**Specification**

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**DCUN1D1 Antibody (C-Term) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O96GG9</a>
Other Accession	<a href="#">NP_065691.2</a> , <a href="#">54165</a> , <a href="#">114893 (mouse)</a>
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	30124

**DCUN1D1 Antibody (C-Term) - Additional Information**

Gene ID 54165

**Other Names**

DCN1-like protein 1, DCUN1 domain-containing protein 1, Defective in cullin neddylation protein 1-like protein 1, Squamous cell carcinoma-related oncogene, DCUN1D1, DCUN1L1, RP42, SCCRO

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**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**

DCUN1D1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DCUN1D1 Antibody (C-Term) - Protein Information**

Name DCUN1D1 ([HGNC:18184](#))

**Function**

Part of an E3 ubiquitin ligase complex for neddylation (PubMed:<a href="http://www.uniprot.org/citations/18826954" target="\_blank">18826954</a>). Promotes neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes (PubMed:<a href="http://www.uniprot.org/citations/19617556" target="\_blank">19617556</a>, PubMed:<a href="http://www.uniprot.org/citations/23201271" target="\_blank">23201271</a>, PubMed:<a href="http://www.uniprot.org/citations/23401859" target="\_blank">23401859</a>, PubMed:<a href="http://www.uniprot.org/citations/23401859" target="\_blank">23401859</a>, PubMed:<a href="http://www.uniprot.org/citations/23401859" target="\_blank">23401859</a>).

<http://www.uniprot.org/citations/26906416> target="\_blank">26906416</a>). 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 effects of CAND1 on cullin-RING ligase E3 complex assembly and activity (PubMed: <http://www.uniprot.org/citations/25349211> target="\_blank">25349211</a>, PubMed: <http://www.uniprot.org/citations/28581483> target="\_blank">28581483</a>). Acts also 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

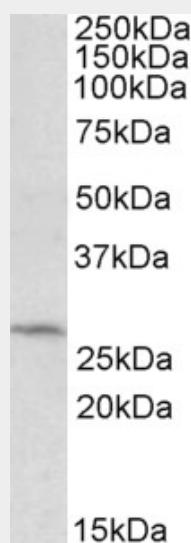
Expressed in pancreas, kidney, placenta, brain and heart. Weakly or not expressed in liver, skeletal muscle and lung Strongly overexpressed in thyroid tumors, bronchioloalveolar carcinomas, and malignant tissues of squamous cell carcinoma of the oral tongue. Not overexpressed in aggressive adrenocortical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

#### DCUN1D1 Antibody (C-Term) - Protocols

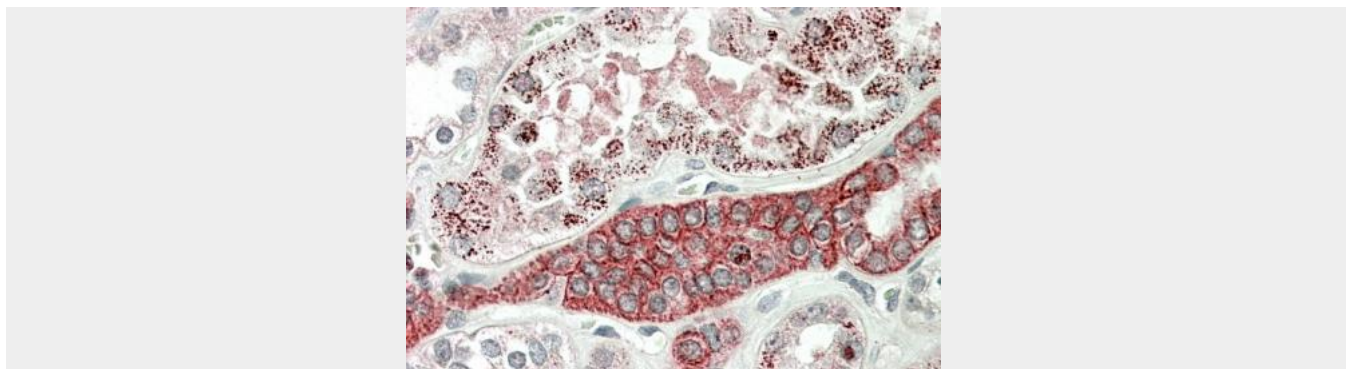
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### DCUN1D1 Antibody (C-Term) - Images



AF3155a (0.5 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3155a (5 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **DCUN1D1 Antibody (C-Term) - References**

DCUN1D1 is a risk factor for frontotemporal lobar degeneration. Villa C, Venturelli E, Fenoglio C, Clerici F, Marcone A, Benussi L, Gallone S, Scalabrini D, Cortini F, Serpente M, Martinelli Boneschi F, Cappa S, Binetti G, Mariani C, Rainero I, Giordana MT, Bresolin N, Scarpini E, Galimberti D, Eur J Neurol. 2009 Jul;16(7):870-3. Epub 2009 Mar 31. PMID: 19473369