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DCUN1D1 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF3155a

Specification

DCUN1D1 Antibody (C-Term) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q96GG9
Other Accession	NP_065691.2, 54165, 114893 (mouse)
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

Dilution
WB~~1:1000
IHC~~1:100~500
E~~N/A

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). 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

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 Cytomety
- Cell Culture

DCUN1D1 Antibody (C-Term) - Images

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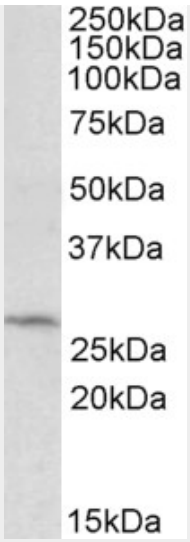
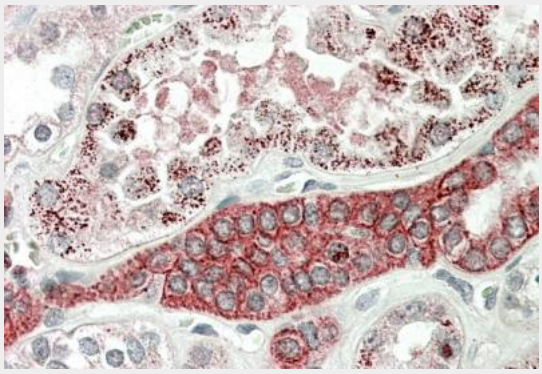


AF3155a (0.5 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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