

Resource Summary Report

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NoPdb: Nucleolar Proteome Database

RRID:SCR_013459

Type: Tool

Proper Citation

NoPdb: Nucleolar Proteome Database (RRID:SCR_013459)

Resource Information

URL: <http://www.lamondlab.com/NOPdb/>

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Description: It archives data on more than 700 proteins that were identified by multiple mass spectrometry (MS) analyses from highly purified preparations of human nucleoli the most prominent nuclear organelle. Each protein entry is annotated with information about its corresponding gene its domain structures and relevant protein homologues across species as well as documenting its MS identification history including all the peptides sequenced by tandem MS/MS. Moreover, data showing the quantitative changes in the relative levels of 500 nucleolar proteins are compared at different timepoints upon transcriptional inhibition. Correlating changes in protein abundance at multiple timepoints highlighted by visualization means in the NOPdb provides clues regarding the potential interactions and relationships between nucleolar proteins and thereby suggests putative functions for factors within the 30% of the proteome which comprises novel/ uncharacterized proteins. The NOPdb is searchable by either gene names protein sequences Gene Ontology terms or motifs or by limiting the range for isoelectric points and/or molecular weights and links to other databases (e.g. LocusLink OMIM and PubMed).

Abbreviations: NoPDB

Synonyms: Nucleolar Proteome Database

Resource Type: data or information resource, database

Resource Name: NoPdb: Nucleolar Proteome Database

Resource ID: SCR_013459

Alternate IDs: nif-0000-03196

Record Creation Time: 20220129T080316+0000

Ratings and Alerts

No rating or validation information has been found for NoPdb: Nucleolar Proteome Database.

No alerts have been found for NoPdb: Nucleolar Proteome Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Villalba GC, et al. (2021) Fantastic databases and where to find them: Web applications for researchers in a rush. Genetics and molecular biology, 44(2), e20200203.

Morimoto M, et al. (2013) The role of nuclear bodies in gene expression and disease. Biology, 2(3), 976.

Rawling DC, et al. (2012) In vivo approaches to dissecting the function of RNA helicases in eukaryotic ribosome assembly. Methods in enzymology, 511, 289.

Finkbeiner E, et al. (2011) The SUMO system controls nucleolar partitioning of a novel mammalian ribosome biogenesis complex. The EMBO journal, 30(6), 1067.

Hubert T, et al. (2008) The F-actin filament capping protein CapG is a bona fide nucleolar protein. Biochemical and biophysical research communications, 377(2), 699.

Hahn MA, et al. (2007) Nucleolar localization of parafibromin is mediated by three nucleolar localization signals. FEBS letters, 581(26), 5070.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.