



# Compact Identifiers by Identifiers.org and N2t.Net

# N2T

Towards *findable, accessible, interoperable and re-usable* (FAIR) data

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Compact Identifiers [1] support global unique identification of data objects. A Compact Identifier is a unique prefix indicating the assigning authority and a locally assigned accession number (prefix:accession).

Identify, cite and annotate your data using Compact Identifiers.

## ID Identify



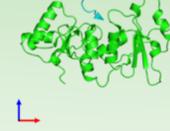
[pdb:4y2g](#)

Structure of BRCA1 BRCT domains in complex with Abraxas single phosphorylated peptide.

## ” Cite

“ ... the protein we used ([pdb:4y2g](#)) in our tests ... ”

## 📍 Annotate



[pdb:4y2g](#)

Source organism



[taxon:9606](#)

## Compact Identifier Services

The Identifiers.org [2] and N2T.net systems provide a range of services to reference, resolve and validate persistent Compact Identifiers to promote the citability of individual data providers and integration with e-infrastructures.

Make your Compact Identifiers actionable through  
[https://identifiers.org/\[prefix:accession\]](https://identifiers.org/[prefix:accession])  
[https://n2t.net/\[prefix:accession\]](https://n2t.net/[prefix:accession])



## Create Compact Identifiers

Create Compact Identifiers by requesting a prefix for a data resource (a set of named objects).

### Request an identifier prefix

Please complete this form to register an identifier prefix that can be recognized by the meta-resolvers of [Identifiers.org](#) and [N2T.net](#). Completing all fields will enable swift processing of your request.

\*Required

#### Resource details

The "resource" is the set of data that being provided, such as a database, photo archive, document repository, or ontology.

Register 'pdb' for Protein Databank  
<https://identifiers.org/request/prefix>

Description: One or more sentences describing the resource. Example: The Protein Data Bank is the single worldwide archive of structural data of biological macromolecules.  
Your answer



## Resolve Compact Identifiers

Actionable Compact Identifiers provide unique stable, resolvable and location-independent URIs to identify and locate data objects.

<http://www.ebi.ac.uk/pdbsum/4y2g>  
<http://pdbe.org/structure/4y2g>  
<https://identifiers.org/pdb:4y2g>  
<https://n2t.net/pdb:4y2g>  
<http://www.pdbe.org/4y2g>

### Identifiers.org Services



**APIs** to access the Registry content, find valid prefixes, identifiers and providers, and validate Compact Identifiers.



**Metadata service** for accessing Schema.org metadata provided by data providers.



**SPARQL Endpoint** [3] to perform conversions between different URI schemes recorded in the Registry.

### References

1. Sarala M. Wimalaratne et al. *Uniform resolution of compact identifiers for biomedical data*. *Sci. Data* 5:180029 doi:10.1038/sdata.2018.29 (2018).
2. Juty, N., N. Le Novère, and C. Laibe, *Identifiers.org and MIRIAM Registry: community resources to provide persistent identification*. *Nucleic Acids Res*, 2012. **40**(Database issue): p. D580-6.
3. Wimalaratne, S.M., et al., *SPARQL-enabled identifier conversion with Identifiers.org*. *Bioinformatics*, 2015. **31**(11): p. 1875-7.

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SCIENTIFIC DATA

