

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

NCBO Annotator

RRID:SCR_005329

Type: Tool

Proper Citation

NCBO Annotator (RRID:SCR_005329)

Resource Information

URL: <http://bioportal.bioontology.org/annotator>

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Description: A Web service that annotates textual metadata (e.g. journal abstract) with relevant ontology concepts. NCBO uses this Web service to annotate resources in the NCBO Resource Index. They also provide this Web service as a stand-alone service for users. This Web service can be accessed through BioPortal or used directly in your software. Currently, the annotation workflow is based on syntactic concept recognition (using concept names and synonyms) and on a set of semantic expansion algorithms that leverage the semantics in ontologies (e.g., is_a relations). Their service methodology leverages ontologies to create annotations of raw text and returns them using semantic web standards.

Abbreviations: NCBO Annotator

Synonyms: Open Biomedical Annotator, NCBO BioPortal Annotator

Resource Type: data access protocol, production service resource, service resource, software resource, web service

Defining Citation: [PMID:19483092](#)

Keywords: ontology, annotation, bio.tools

Funding: NHGRI U54 HG004028

Resource Name: NCBO Annotator

Resource ID: SCR_005329

Alternate IDs: biotools:bioportal, nlx_144389, OMICS_01172

Alternate URLs: <https://bio.tools/bioportal>

Record Creation Time: 20220129T080229+0000

Record Last Update: 20260905T132533+0000

Ratings and Alerts

No rating or validation information has been found for NCBO Annotator.

No alerts have been found for NCBO Annotator.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Popovski G, et al. (2019) FoodBase corpus: a new resource of annotated food entities. Database : the journal of biological databases and curation, 2019.

Wu H, et al. (2017) Automated PDF highlighting to support faster curation of literature for Parkinson's and Alzheimer's disease. Database : the journal of biological databases and curation, 2017(1).

Oellrich A, et al. (2015) Generation of silver standard concept annotations from biomedical texts with special relevance to phenotypes. PloS one, 10(1), e0116040.

Jimeno Yepes A, et al. (2014) Mutation extraction tools can be combined for robust recognition of genetic variants in the literature. F1000Research, 3, 18.

Turner MD, et al. (2013) Automated annotation of functional imaging experiments via multi-label classification. Frontiers in neuroscience, 7, 240.

Tuama E??, et al. (2012) Meeting Report: Hackathon-Workshop on Darwin Core and MlxS Standards Alignment (February 2012). Standards in genomic sciences, 7(1), 166.