Resource Summary Report

Generated by NIF on Sep 3, 2026

Harmonized Ontology of Mammalian Brain Anatomy (HOMBA)

RRID:SCR_027628
Type: Tool

Proper Citation

Harmonized Ontology of Mammalian Brain Anatomy (HOMBA) (RRID:SCR_027628)

Resource Information

URL: https://alleninstitute.github.io/CCF-MAP/docs/HOMBA_ontology_v1.html

Proper Citation: Harmonized Ontology of Mammalian Brain Anatomy (HOMBA) (RRID:SCR_027628)

Description: Harmonized cross-species taxonomy of brain and spinal cord structures. Derived from the Allen Developing Human Brain Atlas (DHBA) ontology, the HOMBA is hierarchical, allowing users to aggregate structures from fine grain parcellations to broad regions. Terminology is harmonized across human, primate, and rodent structures with synonymous terms and includes transient developmental structures. HOMBA is designed for neuroanatomical applications including brain sampling and dissection, tissue block mapping, atlas building, cell-type and pathology localization, and linking cross-species and developmental datasets.

Abbreviations: HOMBA

Synonyms: Harmonized Ontology of Mammalian Brain Anatomy

Resource Type: controlled vocabulary, data or information resource, ontology

Keywords: Harmonized cross-species taxonomy, brain and spinal cord structures, neuroanatomical applications, brain sampling and dissection, tissue block mapping, atlas building, cell-type and pathology localization, linking cross-species and developmental datasets,

Availability: Free, Freely available,

Resource Name: Harmonized Ontology of Mammalian Brain Anatomy (HOMBA)

Resource ID: SCR_027628

Record Creation Time: 20251106T054935+0000

Record Last Update: 20260829T183510+0000

Ratings and Alerts

No rating or validation information has been found for Harmonized Ontology of Mammalian Brain Anatomy (HOMBA).

No alerts have been found for Harmonized Ontology of Mammalian Brain Anatomy (HOMBA).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Schmitz MT, et al. (2026) A consensus spinal cord cell type atlas across mouse, macaque, and human. bioRxiv : the preprint server for biology.

Ray PL, et al. (2026) A layered standards framework for integrating single-cell and spatial omics data into brain cell atlases. bioRxiv : the preprint server for biology.

, et al. (2026) A Community Standard Multispecies Cell Atlas of the Basal Ganglia. bioRxiv : the preprint server for biology.

Johansen NJ, et al. (2025) Cross-species consensus atlas of the primate basal ganglia. bioRxiv : the preprint server for biology.