

Resource Summary Report

Generated by SPARC SAWG on Jul 29, 2026

HaptenDB

RRID:SCR_007702

Type: Tool

Proper Citation

HaptenDB (RRID:SCR_007702)

Resource Information

URL: <http://www.imtech.res.in/raghava/haptendb/>

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Description: Haptendb is a database of haptens which provide comprehensive information about the Hapten molecule, ways to raise antibodies against particular group of haptens, specificity and cross reactivity of raised antibody with related haptens, use of antibodies in constructing cost effective and simple detection kits. Major Features of the Database include: It covers wide array of haptens that includes; pesticides, herbicides, insecticides, drugs, vitamins, steroids, hormones, toxins, dyes, explosives, etc. The database contains 2021 entries for antibodies either raised against haptens or cross-reactivity of antibody raised against one Hapten with other related haptens. Every single record in the database contains detailed information about the Hapten, the carrier and the antibodies along with the assay methods and their sensitivity towards Hapten detection. The database provides information about 1087 haptens that includes: (i) common and chemical name of Hapten, (ii) molecular mass, physical and chemical properties, (iii) biological importance and the structure. Haptendb provides online web tools that allows users to retrieve and analyze the data that includes: (i) tools for searching database using keywords with many options and, (ii) browsing tool that allows the user to browse the database on Hapten name, carrier protein and antibody. The database has 2-D and 3-D structures of most of haptens in standard format based on information in literature. It also allows sketching structures online and searching of similar structures in database. One of the powerful tools in Haptendb is structure similarity search tool, which allows user to search similar structures.

Synonyms: HaptenDB

Resource Type: data or information resource, database

Keywords: antibody, hapten

Resource Name: HaptenDB

Resource ID: SCR_007702

Alternate IDs: nif-0000-02941

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260729T044151+0000

Ratings and Alerts

No rating or validation information has been found for HaptenDB.

No alerts have been found for HaptenDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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