# Resource Summary Report

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## CTDatabase

RRID:SCR_007614
Type: Tool

### Proper Citation

CTDatabase (RRID:SCR_007614)

### Resource Information

**URL:** http://www.cta.lncc.br/

**Proper Citation:** CTDatabase (RRID:SCR_007614)

**Description:** A database of information about each Cancer-Testis (CT) gene, its gene products and the immune response induced in cancer patients by these proteins. CT antigens are proteins normally expressed only in the human germ line but that are also present in a significant subset of malignant tumors. The practical importance of these proteins is that due to their restricted expression pattern they are frequently recognized by the immune system of cancer patients. Moreover, this antigenicity has raised the possibility of their being used as vaccines to actively stimulate immune responses in order to combat tumor growth. As a result worldwide research into many aspects of CT antigens is rapidly growing prompting the construction of this database as a resource for investigators involved in this area.

**Synonyms:** CTDatabase

**Resource Type:** data or information resource, database

**Keywords:** data set, FASEB list

**Related Condition:** Cancer

**Funding:**

**Resource Name:** CTDatabase

**Resource ID:** SCR_007614

**Alternate IDs:** nif-0000-02704

**Record Creation Time:** 20220129T080242+0000

**Record Last Update:** 20250525T032304+0000

## Ratings and Alerts

No rating or validation information has been found for CTDatabase.

No alerts have been found for CTDatabase.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 86 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.

Beckabir W, et al. (2024) Immune features are associated with response to neoadjuvant chemo-immunotherapy for muscle-invasive bladder cancer. Nature communications, 15(1), 4448.

Verma S, et al. (2024) Melanoma Antigen Family A (MAGE A) as Promising Biomarkers and Therapeutic Targets in Bladder Cancer. Cancers, 16(2).

Yi X, et al. (2024) Tumor-associated antigen prediction using a single-sample gene expression state inference algorithm. Cell reports methods, 4(11), 100906.

Kortleve D, et al. (2024) TCR-Engineered T Cells Directed against Ropporin-1 Constitute a Safe and Effective Treatment for Triple-Negative Breast Cancer. Cancer discovery, 14(12), 2450.

Garcia-Marquez MA, et al. (2024) Germline homozygosity and allelic imbalance of HLA-I are common in esophagogastric adenocarcinoma and impair the repertoire of immunogenic peptides. Journal for immunotherapy of cancer, 12(4).

Jacquet E, et al. (2023) Aberrant activation of five embryonic stem cell-specific genes robustly predicts a high risk of relapse in breast cancers. BMC genomics, 24(1), 463.

Alrubie TM, et al. (2023) Higher Expression Levels of SSX1 and SSX2 in Patients with Colon Cancer: Regulated In Vitro by the Inhibition of Methylation and Histone Deacetylation. Medicina (Kaunas, Lithuania), 59(5).

Zeng X, et al. (2023) Prediction and identification of HLA-A*0201-restricted epitopes from cancer testis antigen CT23. Human vaccines & immunotherapeutics, 19(3), 2293299.

Medici G, et al. (2023) A T-cell antigen atlas for meningioma: novel options for immunotherapy. Acta neuropathologica, 146(2), 173.

Ren S, et al. (2023) Cancer testis antigen subfamilies: Attractive targets for therapeutic vaccine (Review). International journal of oncology, 62(6).

Carter JA, et al. (2023) Identification of pan-cancer/testis genes and validation of therapeutic targeting in triple-negative breast cancer: Lin28a-based and Siglece-based vaccination induces antitumor immunity and inhibits metastasis. Journal for immunotherapy of cancer, 11(12).

Raj SKS, et al. (2022) Prognostic attributes of immune signatures in soft tissue sarcomas show differential dependencies on tumor mutational burden. Cancer, 128(17), 3254.

Paslaru L, et al. (2022) Comparative RNA-Sequencing Analysis Reveals High Complexity and Heterogeneity of Transcriptomic and Immune Profiles in Hepatocellular Carcinoma Tumors of Viral (HBV, HCV) and Non-Viral Etiology. Medicina (Kaunas, Lithuania), 58(12).

Desaulniers D, et al. (2021) Integration of Epigenetic Mechanisms into Non-Genotoxic Carcinogenicity Hazard Assessment: Focus on DNA Methylation and Histone Modifications. International journal of molecular sciences, 22(20).

Huang C, et al. (2021) Proteogenomic insights into the biology and treatment of HPV-negative head and neck squamous cell carcinoma. Cancer cell, 39(3), 361.

Jay A, et al. (2021) Cancer testis antigens and genomic instability: More than immunology. DNA repair, 108, 103214.

Jamin SP, et al. (2021) Combined RNA/tissue profiling identifies novel Cancer/testis genes. Molecular oncology, 15(11), 3003.

Satpathy S, et al. (2021) A proteogenomic portrait of lung squamous cell carcinoma. Cell, 184(16), 4348.

Yi X, et al. (2021) caAtlas: An immunopeptidome atlas of human cancer. iScience, 24(10), 103107.

Shuvalov O, et al. (2021) Emerging roles of cancer-testis antigenes, semenogelin 1 and 2, in neoplastic cells. Cell death discovery, 7(1), 97.