

Resource Summary Report

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RPPA Core Facility

RRID:SCR_016649

Type: Tool

Proper Citation

RPPA Core Facility (RRID:SCR_016649)

Resource Information

URL: <https://www.mdanderson.org/research/research-resources/core-facilities/functional-proteomics-rppa-core.html>

Proper Citation: RPPA Core Facility (RRID:SCR_016649)

Description: Core provides technology for functional proteomics studies and centralized, standardized and quality controlled services locally and globally.

Abbreviations: RPPA

Synonyms: MD Anderson RPPA Core, RPPA, Reverse Phase Protein Array Core, Reverse Phase Protein Array (RPPA) Core

Resource Type: core facility, service resource, access service resource

Keywords: technology, functional, proteomics, studies, centralized, standardized, quality, controlled, service

Funding: NCI CA16672

Availability: Commercially available, Registration required

Resource Name: RPPA Core Facility

Resource ID: SCR_016649

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260731T043002+0000

Ratings and Alerts

No rating or validation information has been found for RPPA Core Facility.

No alerts have been found for RPPA Core Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 34 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Shu ST, et al. (2025) Constitutive activation of the Src-family kinases Fgr and Hck enhances the tumor burden of acute myeloid leukemia cells in immunocompromised mice. Scientific reports, 15(1), 174.

Koppenhafer SL, et al. (2025) Histone Deacetylase Inhibitors Target DNA Replication Regulators and Replication Stress in Ewing Sarcoma Cells. Cancer research communications, 5(6), 1034.

Spender LC, et al. (2025) AKT/mTOR as a targetable hub to overcome multimodal resistance to EGFR inhibitors in oesophageal squamous cell carcinoma. British journal of cancer, 133(5), 709.

Woodruff ER, et al. (2025) Ablation of hematopoietic stem cell derived adipocytes reduces tumor burden in syngeneic mouse models of high-grade serous carcinoma. bioRxiv : the preprint server for biology.

Thielen N, et al. (2025) High Throughput Screening Identifies Small Molecules that Synergize with MRTX1133 Against Acquired Resistant KRAS G12D Mutated CRC. bioRxiv : the preprint server for biology.

Haight JA, et al. (2024) Auranofin and reactive oxygen species inhibit protein synthesis and regulate the level of the PLK1 protein in Ewing sarcoma cells. Frontiers in oncology, 14, 1394653.

Guo Z, et al. (2024) Evaluation of Copanlisib in Combination with Eribulin in Triple-negative Breast Cancer Patient-derived Xenograft Models. Cancer research communications, 4(6), 1430.

Sottnik JL, et al. (2024) WNT4 Regulates Cellular Metabolism via Intracellular Activity at the Mitochondria in Breast and Gynecologic Cancers. Cancer research communications, 4(1), 134.

Greenwood A, et al. (2024) Cannabidiol promotes apoptosis and downregulation of oncogenic factors. bioRxiv : the preprint server for biology.

Haight JA, et al. (2024) Auranofin and reactive oxygen species inhibit protein synthesis and regulate the level of the PLK1 protein in Ewing sarcoma cells. bioRxiv : the preprint server for biology.

Persenaire C, et al. (2024) VDX-111, a novel small molecule, induces necroptosis to inhibit ovarian cancer progression. *Molecular carcinogenesis*, 63(7), 1248.

Beach C, et al. (2023) Improving radiotherapy in immunosuppressive microenvironments by targeting complement receptor C5aR1. *The Journal of clinical investigation*, 133(23).

Park SY, et al. (2023) Irreversible HER2 inhibitors overcome resistance to the RSL3 ferroptosis inducer in non-HER2 amplified luminal breast cancer. *Cell death & disease*, 14(8), 532.

Fu Y, et al. (2023) BRD4 inhibition impairs DNA mismatch repair, induces mismatch repair mutation signatures and creates therapeutic vulnerability to immune checkpoint blockade in MMR-proficient tumors. *Journal for immunotherapy of cancer*, 11(4).

Chen Z, et al. (2022) Loss of ubiquitin-specific peptidase 18 destabilizes 14-3-3?? protein and represses lung cancer metastasis. *Cancer biology & therapy*, 23(1), 265.

Ryan MB, et al. (2022) KRASG12C-independent feedback activation of wild-type RAS constrains KRASG12C inhibitor efficacy. *Cell reports*, 39(12), 110993.

Shehwana H, et al. (2022) RPPA SPACE: an R package for normalization and quantitation of Reverse-Phase Protein Array data. *Bioinformatics (Oxford, England)*, 38(22), 5131.

Liu C, et al. (2022) AZD5153 reverses palbociclib resistance in ovarian cancer by inhibiting cell cycle-related proteins and the MAPK/PI3K-AKT pathway. *Cancer letters*, 528, 31.

Fujita M, et al. (2022) Proteo-genomic characterization of virus-associated liver cancers reveals potential subtypes and therapeutic targets. *Nature communications*, 13(1), 6481.

Sengupta S, et al. (2022) Differentiated glioma cell-derived fibromodulin activates integrin-dependent Notch signaling in endothelial cells to promote tumor angiogenesis and growth. *eLife*, 11.