



HuProt™ Human Proteome Microarray Literature Citations

Gowans MF et al. (2018) Baseline antibody profiles predict toxicity in melanoma patients treated with immune checkpoint inhibitors. *J Transl Med* 16:82.

Venkataraman A et al. (2018) A toolbox of immunoprecipitation-grade monoclonal antibodies to human transcription factors. *Nature Methods* doi:10.1038/nmeth.4632.

Chung JM et al. (2018) Identification of the Thioredoxin-Like 2 Autoantibody as a Specific Biomarker for Triple-Negative Breast Cancer. *J Breast Cancer* 21:87-90.

Bremmer HD et al. (2018) ILF2 and ILF3 are autoantigens in canine systemic autoimmune disease. *Sci Rep* 8:4852.

Coll JM (2018) Herpesvirus Infection Induces both Specific and Heterologous Antiviral Antibodies in Carp. *Front Immunol* 9:39.

Guo G et al. (2018) The cytomegalovirus protein US31 induces inflammation through mono-macrophages in systemic lupus erythematosus by promoting NF-κB2 activation. *Cell Death Disease* 9:104. doi: 10.1038/s41419-017-0122-4.

Huang Y and Zhu H (2017) Protein Array-based Approaches for Biomarker Discovery in Cancer. *Genomics Proteomics Bioinformatics* 15:73-81.

Bigley V et al. (2017) Biallelic interferon regulatory factor 8 mutation: A complex immunodeficiency syndrome with dendritic cell deficiency, moncytopenia, and immune dysregulation. *J Allergy Clin Immunol* doi.org/10.1016/j.jaci.2017.08.044.

Stern E et al. (2017) Therapeutic Antibodies to Ganglioside GD2 Evolved from Highly Selective Germline Antibodies. *Cell Rep* 20:1681-1691.

Washburn N et al. (2017) High-resolution physicochemical characterization of different intravenous immunoglobulin products. *PLoS One* 12(7):e0181251. doi: 10.1371/journal.pone.0181251.

Xu Z et al. (2017) Systematic identification of the protein substrates of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase-T1/T2/T3 using a human proteome microarray. *Proteomics* 17(11):doi: 10.1002/pmic.201600485

Yang Z et al. (2017) A Human Proteome Array Approach to Identifying Key Host Proteins Targeted by Toxoplasma Kinase ROP18. *Mol Cell Proteomics* 16(3):469-484

Gupta S et al. (2017) Evaluation of autoantibody signatures in meningioma patients using human proteome arrays. *Oncotarget* Apr 10. doi: 10.18632/oncotarget.16997.

Chung BK et al. (2017) Phenotyping and auto-antibody production by liver-infiltrating B cells in primary sclerosing cholangitis and primary biliary cholangitis. *J Autoimmun* 77:45-54.

Cheng X et al. (2017) Proteomic identification of the oncoprotein STAT3 as a target of a novel Skp1 inhibitor. *Oncotarget* 8(2):2681-2693.

Gupta S et al. (2017) Serum Profiling for Identification of Autoantibody Signatures in Diseases Using Protein Microarrays. *Methods Mol Biol* 1619:303-315.

Cox E et al. (2017) Global Analysis of SUMO-Binding Proteins Identifies SUMOylation as a Key Regulator of the INO80 Chromatin Remodeling Complex. *Mol Cell Proteomics* 16, Mar 2. doi: 10.1074/mcp.M116.063719.

Barry G et al. (2017) The long non-coding RNA NEAT1 is responsive to neuronal activity and is associated with hyperexcitability states. *Nature Scientific Reports* 7, Article number: 40127 doi:10.1038/srep40127

Shi L et al. (2016) Application of high-throughput protein array in clinical screening for tumor markers. *Int J Clin Exp Med* 9:8529-8535.

Iyama S et al. (2016) Drebrin: A new oncofetal biomarker associated with prognosis of lung adenocarcinoma. *Lung Cancer* 102:74-81.

Blackshaw S et al. (2016) The NIH Protein Capture Reagents Program (PCRP): a standardized protein affinity reagent toolbox. *Nat Methods* 13:805-806.

Cheng X et al. (2016) Proteomic identification of the oncoprotein STAT3 as a target of a novel Skp1 inhibitor. *Oncotarget* DOI: 10.18632/oncotarget.13153.

Hu CJ et al. (2016) Identification of Novel Biomarkers for Behcet Disease Diagnosis Using HuProt Array Approach. *Mol Cell Proteomics* 2016 Oct 24. pii: mcp.M. 116.061002.

Wang Y et al. (2016) A nuclease that mediates cell death induced by DNA damage and poly(ADP-ribose) polymerase-1. *Science* 354 2016 Oct 7 DOI: 10.1126/science.aad6872.

Ogishi M et al. (2016) Delineation of autoantibody repertoire through differential proteogenomics in hepatitis C virus-induced cryoglobulinemia. *Sci Rep* 6:29532.

Li H et al. (2016) Penetrance of Congenital Heart Disease in a Mouse Model of Down Syndrome Depends on a Trisomic Potentiator of a Disomic Modifier. *Genetics* 2016 Mar 30. pii: genetics.116.188045.

Yang L et al. (2016) Identification of serum biomarkers for gastric cancer diagnosis using a human proteome microarray. *Mol Cell Proteomics* 15 (2):614-23. doi: 10.1074/mcp.M115.051250. Epub 2015 Nov 23

Syed P et al.(2016) Autoantibody Profiling of Glioma Serum Samples to Identify Biomarkers Using Human Proteome Arrays *Sci Rep*2015 Sep 15;5:13895. doi: 10.1038/srep13895.

Dart AE et al. (2015) PAK4 promotes kinase-independent stabilization of RhoU to modulate cell adhesion. *J Cell Biol* 211:863-879.

Ainscough JS et al. (2015) Interleukin-1 β Processing Is Dependent on a Calcium-mediated Interaction with Calmodulin. *J Biol Chem* 290:31151-61.

Zhang K et al. (2015) The C9orf72 repeat expansion disrupts nucleocytoplasmic transport. *Nature* 525:56-61.

Zhang HN et al. (2015) Systematic identification of arsenic-binding proteins reveals that hexokinase-2 is inhibited by arsenic. *Proc Natl Acad Sci USA* 112(49):15084-9.

Hu J et al. (2015) Systematic Prediction of Scaffold Proteins Reveals New Design Principles in Scaffold-Mediated Signal Transduction. *Comput Biol* 112(9): e1004508.

Cox E et al. (2015) Identification of SUMO E3 ligase-specific substrates using the HuProt human proteome microarray. *Methods Mol Biol* 1295:455-63.

Hu C et al. (2015) Autoantibody Profiling on Human Proteome Microarray for Biomarker Discovery in Cerebrospinal Fluid and Sera of Neuropsychiatric Lupus. PLoS One 10:e0126643.

Liu S et al. (2014) Characterization of monoclonal antibody's binding kinetics using oblique-incidence reflectivity difference approach. MAbs 7:110-119.

Jung JG et al. (2014) Notch3 interactome analysis identified WWP2 as a negative regulator of Notch3 signaling in ovarian cancer. PLoS Genet 10:e1004751.

Fan Q et al. (2014) Identification of proteins that interact with alpha A-crystallin using a human proteome microarray. Mol Vis 20:117–124.

Deng RP et al. (2014) Global Identification of O-GlcNAc Transferase (OGT) Interactors by a Human Proteome Microarray and the Construction of an OGT Interactome. Proteomics 14(9): 1020-30. doi: 10.1002/pmic.201300144. Epub 2014 Mar 25.0.

Ma TM et al. (2014) Serine Racemase Regulated by Binding to Stargazin and PSD-95: Potential NMDA-AMPA Glutamate Neurotransmission Cross-talk. J Biol Chem pii: jbc.M114.571604 [Epub ahead of print]; First Published on August 27, 2014.

Barry G et al. (2013) The long non-coding RNA Gomafu is acutely regulated in response to neuronal activation and involved in schizophrenia-associated alternative splicing. Molec Psychiatry Apr 30. doi: 10.1038/mp.2013.45. ePub ahead of print.

Lee YI et al. (2013) Protein microarray characterization of the S-nitrosoproteome. Mol Cell Proteomics 13:63-72.

Chen Y et al. (2013) Bcl2-associated Athanogene 3 Interactome Analysis Reveals a New Role in Modulating Proteasome Activity. Mol Cell Proteomics 12(10):2804-19.

Donnelly CJ et al. (2013) RNA toxicity from the ALS/FTD C9ORF72 expansion is mitigated by antisense intervention. Neuron 80(2):415-28.

Fan B et al. (2013) A human proteome microarray identifies that the heterogeneous nuclear ribonucleoprotein K (hnRNP K) recognizes the 5' terminal sequence of the hepatitis C virus RNA. Mol Cell Proteomics 13(1):84-92.

Tarrant MK et al. (2012) Regulation of CK2 by phosphorylation and O-GlcNAcylation revealed by semisynthesis. Nat Chem Biol 8(3):262-9.

Jeong JS et al. (2012) Rapid identification of monospecific monoclonal antibodies using a human proteome microarray. Mol Cell Proteomics 11(6):O111.016253.

Huang Y et al. (2012). Global tumor protein p53/p63 interactome: making a case for cisplatin chemoresistance. Cell Cycle 11(12):2367-79.

Hu CJ et al. (2012). Identification of new autoantigens for primary biliary cirrhosis using human proteome microarrays. Mol Cell Proteomics 11(9):669-80.

Guanajibo Research and Innovation Park
4005 St B Road 114 Km 1.3
Mayaguez, PR 00682
T 844-539-6296 TOLL FREE US/Canada
T 787.806-40063

www.cdi-lab.com

