

Resource Summary Report

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AccuCor

RRID:SCR_023046

Type: Tool

Proper Citation

AccuCor (RRID:SCR_023046)

Resource Information

URL: <https://cran.rstudio.com/web/packages/accucor/index.html>

Proper Citation: AccuCor (RRID:SCR_023046)

Description: Software as isotope natural abundance correction algorithm that is needed especially for high resolution mass spectrometers. Natural abundance correction of mass spectrometer data.

Resource Type: data processing software, software application, software resource

Defining Citation: [PMID:28471646](#)

Keywords: Natural abundance correction, mass spectrometer data, isotope natural abundance correction algorithm, high resolution mass spectrometers

Funding: NCI CA211437;
NCI R01 CA163591;
NIDDK P30DK019525;
U. S. Department of Energy

Availability: Free, Available for download, Freely available

Resource Name: AccuCor

Resource ID: SCR_023046

Alternate URLs: <https://github.com/XiaoyangSu/AccuCor>

License: MIT

Record Creation Time: 20221215T050202+0000

Record Last Update: 20260912T200112+0000

Ratings and Alerts

No rating or validation information has been found for AccuCor.

No alerts have been found for AccuCor.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

Mortan LF, et al. (2026) Identification and Experimental Validation of Triosephosphate Isomerase 1 as a Functional Biomarker of SHetA2 Sensitivity in Ovarian Cancer. *Cells*, 15(3).

Curtabbi A, et al. (2026) Ectopic expression of cytosolic DHODH uncouples de novo pyrimidine biosynthesis from mitochondrial electron transport. *Nature metabolism*, 8(2), 454.

Savani MR, et al. (2026) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. *Nature metabolism*, 8(5), 1124.

Macdonald-Obermann J, et al. (2026) Differential ErbB receptor dimerization modulates the ability of EGF receptor ligands to regulate metabolic flux. *The Journal of biological chemistry*, 302(7), 113230.

Moon SJ, et al. (2026) Modeling tissue-specific *Drosophila* metabolism identifies high sugar diet-induced metabolic dysregulation in muscle at reaction and pathway levels. *Nature communications*, 17(1), 1692.

Bernard MJ, et al. (2026) OGDHL Promotes Prostate Cancer Progression and Regulates Neuroendocrine Marker Expression and Nucleotide Abundance. *Molecular cancer research : MCR*, 24(5), 356.

Sharma G, et al. (2025) IGF2BP3 redirects glycolytic flux to promote one-carbon metabolism and RNA methylation. *Cell reports*, 116330.

Liu M, et al. (2025) Lactate bridges mesangial cells to the differentiation of follicular helper T cells in lupus nephritis. *Nature communications*, 17(1), 663.

Izarraras K, et al. (2025) Kisspeptin Mitigates Hepatic De Novo Lipogenesis in Metabolic Dysfunction-Associated Steatotic Liver Disease. *Cells*, 14(16).

Xia RX, et al. (2025) Dependence of NPPS creates a targetable vulnerability in RAS-mutant cancers. *Acta pharmacologica Sinica*, 46(3), 728.

Li X, et al. (2025) Spatial isotope deep tracing deciphers inter-tissue metabolic crosstalk. *Nature communications*, 16(1), 7934.

Masalmeh RHA, et al. (2025) FAK modulates glioblastoma stem cell energetics via regulation of glycolysis and glutamine oxidation. *Disease models & mechanisms*, 18(11).

Zhang Y, et al. (2025) Dynamic single-cell metabolomics reveals cell-cell interaction between tumor cells and macrophages. *Nature communications*, 16(1), 4582.

Zhao W, et al. (2025) HIF2 α inhibits glutaminase clustering in mitochondria to sustain growth of clear cell renal cell carcinoma. *JCI insight*, 10(23).

Xing B, et al. (2025) Unraveling Tissue-Specific Fatty Acid Biosynthesis and Inter-Tissue Crosstalk in Mice through Stable-Isotope Tracing Metabolomics. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(31), e03662.

Cherkaoui S, et al. (2025) Reprogramming neuroblastoma by diet-enhanced polyamine depletion. *Nature*, 646(8085), 707.

Xie F, et al. (2025) Ursodeoxycholic acid inhibits the uptake of cystine through SLC7A11 and impairs de novo synthesis of glutathione. *Journal of pharmaceutical analysis*, 15(1), 101068.

AbuSalim JE, et al. (2025) Many circulating indole and phenol metabolites are host derived. *bioRxiv : the preprint server for biology*.

Jiang T, et al. (2025) Engineering auxin degradation into root-associated bacteria promotes plant growth. *bioRxiv : the preprint server for biology*.

Abdullah KG, et al. (2025) Gliomas phenocopy an inborn error of metabolism to drive neuronal activity and tumor growth. *bioRxiv : the preprint server for biology*.