

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 R01 CA163591;
NIDDK P30DK019525;
NCI CA211437;
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: 20260805T044509+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 18 mentions in open access literature.

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

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

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.

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

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

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.

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.

Savani MR, et al. (2025) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. bioRxiv : the preprint server for biology.

Moon SJ, et al. (2024) Identification of high sugar diet-induced dysregulated metabolic pathways in muscle using tissue-specific metabolic models in *Drosophila*. bioRxiv : the preprint server for biology.

Uehara K, et al. (2024) mTORC1 controls murine postprandial hepatic glycogen synthesis via Ppp1r3b. *The Journal of clinical investigation*, 134(7).

Cherkaoui S, et al. (2024) Reprogramming neuroblastoma by diet-enhanced polyamine depletion. bioRxiv : the preprint server for biology.

Midha AD, et al. (2023) Organ-specific fuel rewiring in acute and chronic hypoxia redistributes glucose and fatty acid metabolism. *Cell metabolism*, 35(3), 504.

Dragan M, et al. (2020) G protein-coupled kisspeptin receptor induces metabolic reprogramming and tumorigenesis in estrogen receptor-negative breast cancer. *Cell death & disease*, 11(2), 106.