Cancer Metabolism

Glucose

- Glucose transporter GLUT1
- Glucose-6-phosphate dehydrogenase
- Glyceraldehyde-3-phosphate dehydrogenase
- Phosphoglycerate kinase
- Enolase
- Pyruvate kinase
- Glutamine
- Glutaminase
- Citrate synthase
- Aconitase
- Isocitrate dehydrogenase
- Malate dehydrogenase
- Fumarase
- Succinyl-CoA synthetase
- ATP synthase

Pyruvate

- Pyruvate dehydrogenase E1
- Pyruvate dehydrogenase E2
- Pyruvate dehydrogenase E3
- Aconitase
- Isocitrate dehydrogenase
- Malate dehydrogenase
- Fumarase
- Succinyl-CoA synthetase
- ATP synthase

Lactate

- Lactate dehydrogenase
- Malate dehydrogenase

Fatty Acid Synthase

- Acetyl-CoA
- Malonyl-CoA
- Biotin
- Fatty acid synthase
- Fatty acid synthase
- Fatty acid synthase
- Fatty acid synthase
- Fatty acid synthase
- Fatty acid synthase
- Fatty acid synthase

Abbreviations

- GLUT1: Glucose transporter 1
- PI3K: Phosphatidylinositol-3-kinase
- Akt: Protein kinase B
- EMT: Epithelial-mesenchymal transition
- HIF: Hypoxia-inducible factor
- MYC: v-Myc
- TCA: Tricarboxylic acid cycle
- ROS: Reactive oxygen species
- NADPH: Nicotinamide adenine dinucleotide phosphate

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