

NADH

NADH stands for “**nicotinamide adenine dinucleotide** (NAD) + hydrogen (H).” It occurs naturally in the body and plays a role in generating energy. The NADH produced by the body is involved in making energy in the body. Taking NADH supplements might affect blood pressure and have other effects.

Mutations in **isocitrate dehydrogenase** (IDH) 1 & 2 genes reduce the enzymatic capacity of their coded **proteins** to bind their **substrate**, **isocitrate**, and convert it into α -ketoglutarate (α -KG), generating **carbon dioxide** and replenishing **NADH** and **NADPH** as side products ¹⁾

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Yen KE, Bittinger MA, Su SM, Fantin VR. Cancer-associated IDH mutations: biomarker and therapeutic opportunities. *Oncogene*. 2010 Dec 9;29(49):6409-17. doi: 10.1038/onc.2010.444. Epub 2010 Oct 25. PMID: 20972461.

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