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ABC Transporter

National Cancer Institute

Source

National Cancer Institute. *ABC Transporter*. NCI Thesaurus. Code C17750.

A family of transmembrane proteins that usually function as dimers to hydrolyze ATP, which permits them to transport a wide variety of substrates across cellular membranes. These proteins consist of two distinct domains, a transmembrane domain and a nucleotide-binding domain. ATP binding is required for both dimerization and transporter activity.