

PERINUCLEAR

Meaning: Perinuclear refers to the region surrounding the nucleus of a cell, particularly in relation to the space or proteins involved in cellular processes.

1. The perinuclear space plays a critical role in the transport of molecules between the nucleus and the cytoplasm.
2. Researchers found that perinuclear proteins can influence the organization of the cytoskeleton.
3. In certain cell types, the perinuclear region is enriched with specific signaling molecules.
4. The perinuclear envelope separates the nucleus from the surrounding cytoplasmic environment.
5. During cell division, the reorganization of the perinuclear structure is essential for proper chromosome segregation.

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