

NUCLEOPLASMIC

Meaning: Nucleoplasmic refers to the gel-like substance within the nucleus of a cell, which contains various components that influence cellular processes such as gene expression and protein movement.

1. The nucleoplasmic environment plays a crucial role in regulating gene expression within the cell nucleus.
2. Researchers found that nucleoplasmic viscosity can affect the movement of proteins during cellular processes.
3. In some studies, nucleoplasmic streaming has been observed as a mechanism to enhance nutrient distribution in plant cells.
4. The nucleoplasmic reticulum is involved in calcium signaling and cellular homeostasis.
5. Changes in nucleoplasmic pH can significantly influence the activity of various nuclear enzymes.

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