

RHABDOM

Meaning: Rhabdom: a rod-like structure in the compound eyes of insects that contains photoreceptor cells and is essential for light detection and vision.

1. The rhabdom in the insect's compound eye plays a crucial role in light detection.
2. Researchers are studying the structure of the rhabdom to understand how vision works in different species.
3. In some marine organisms, the rhabdom is adapted for enhanced sensitivity to low light conditions.
4. The rhabdom is composed of microvilli that increase the surface area for photoreceptor cells.
5. Understanding the function of the rhabdom can lead to advancements in biomimetic optical devices.

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